UNIVERSITY OF MUMBAI No.UG/300 of 2008.

The Principals of the affiliated Colleges in Science are hereby informed that The recommendation made by the Ad-hoc Board of studies in Nautical Science and Committee in Maritime Sciences has been accepted by the Academic Albert at its meeting held on 15th April, 2008 vide item No. 4.67 and Council at approved by the Management Council at its meeting held on 24th April 2008 vide item No. 16 and that, in accordance therewith, the B.Sc. Maritime April, 200 Studies degree course is introduced by the University from the 1.01 year 2008 - 2009.

Further that, in exercise of the powers conferred upon the Management Council Section 54(1) and Section 55(1) of the Maharashtra Universities Act 1994, it under ordinances 5759, 5760, 5761, 5762, 5763, 5764, 5765, 5766. and has including scheme of segulations 5875, 5876, 5877, 5878, 5879, 5880, 5881, 5882 including scheme of Regulation and syllabus relating to the B.Sc. Maritime Hospitality Studies is as per

MUMBAI-400 032 14th July, 2008

PRIN.K. VENKATARAMANI REGISTRAR

The Principals of the affiliated Colleges in Science

A.C/4.67/15/04/2008 M.C./16/ 24/04/2008

No. UG/300-A of 2008

MUMBAI-400 03

14th July, 2008

Copy forwarded with compliments for information to :-

1) The Dean Faculty of Science.

2) The Chairman, Ad-hoc Board of Studies in Nautical Science.

The Controller of Examinations,

The Co-Ordinator, University Computerization Centre,

DEPUTY REGISTRAR U.G./P.G.Section

Copy to :-

The Director, Board of College and University Development, the Deputy Registrar (Eligibility and Migration Section), the Director of Students Welfare, the Executive Secretary to the to the Vice-Chancellor, the Pro-Vice-Chancellor, the Pro-Vice-Chancellor, the Director of Students Welfare, the Executive Secretary to the to the Vice-Chancellor, the Pro-Vice-Chancellor, the Pro-Chancellor, the Registrar and the Assistant Registrar, Administrative sub-center, Ratnagiri for information.

The Controller of Examinations (10 copies), the Finance and Accounts Officer (2 copies), Record Section (5 copies), Publications Section (5 copies), the Deputy Registrar, Enrolment, Eligibility and Migration Section (5 copies), Vidyana: (3 copies), the Deputy Registrar, Statistical Unit (2 copies), the Deputy Registrar (Accounts Section), Vidyanagari (2 copies), the Deputy Registrar, Statistical Unit (2 copies), the Professor-cum- Director, Institute of Distance Education (2 copies), the Deputy Registrar, Affiliation Section (2 copies), the Professor-cum- Director, Institute of Distance Education (2 copies) the Deputy Education, (10 copies) the Director University Computer Center (IDE Building), Vidyanagari, (2 copies) the Deputy Registrar, (10 copies) the Director University Computer Center (IDE Building), Vidyanagari, (2 copies) Registrat (Special Cell), the Deputy Registrar, (PRO) the Assistant Registrar, Academic Authorities Unit (2 copies) and the Assistant Registrar, (PRO) the Assistant Registrar, Academic Authorities Unit (2 copies) and the Assistant Registrar, Executive Authorities Unit (2 copies). They are requested to treat this as action taken report on at teport on the concerned resolution adopted by the Academic Council referred to in the above circular and that on Action Taken Report will be continued by the Academic Countries and Registrar Constituent Colleges Unit



Ordinances, Regulations

Scheme of Examination and Syllabus

for the

B.Sc. Maritime Hospitality Studies

(Introduced from the academic year 2008-2009)

PREAMBLE

the Hospitality industry is one of the fastest growing industries the world over and our Country is no exception. The "Incredible India" campaign that was launched bears ample testimony to the new exception in this segment. The Cruise line segment too is fast emerging as a niche industry waiting to the exploited.

In 1973, under COMET committee (Committee for Maritime Education & Training); the first training programme for Catering students was introduced for those students desirous of working onboard a ship. The course was approved by Director General of Shipping. This course was a small duration course of three to six months named as Bhandari, subsequently this course was renamed as Saloon gatings and currently it is named as Certificate Course in Maritime Catering (CCMC).

Over the past few years many Shipping Companies desirous of employing students with a higher level of qualification turned to regular Catering & Hotel Management Colleges, however as the maritime legislation did not allow such direct recruitment, it was mandatory for the students to undergo Standards of Training Certification and Watch keeping (STCW) and an Orientation Course as per D. G. guidelines before they could get employment on Merchant vessels. Thus getting students from this sector was difficult as it involved expenditure of additional time and finance. Besides, the company feedback on regular Hotel Management students who found employment on merchant vessels was not encouraging as they did not have right attitude and were unprepared for the challenges of a sea career.

This is where the Degree in Maritime Hospitality Studies is distinctly different from other regular catering courses. The students are familiarized and geared from day one to meet the challenges of working on high seas; under simulated conditions, and also fulfill all the IMO regulations required for employment on board. The students undergo STCW 95 courses covered in the curriculum.

These STCW 95 courses make them eligible to get Continuous Discharge Certificate (CDC) from Director General of Shipping (D. G. Shipping) provided a candidate fulfill other criteria such as age, physical fitness and eye sight which is mandatory document for any stream to sail in a merchant vessel.

ORDINANCES & REGULATIONS RELATING TO B.Sc. MARITIME HOSPITALITY STUDIES

0.5759 TITLE OF THE COURSE

THE COURSE SHALL BE TERMED B.Sc. MARITIME HOSPITALITY STUDIES.

O 5760 STUDENTS ADMISSION ELIGIBILITY

OBJECSTUDENTS ADMISSION 12th Pass (HSC Standard with minimum 50% mark in English Subject (45% for backward compared to 50% mark). Students will be admitted in the order of merit. 12th Pass (HSC Stational Visit Ments will be admitted in the order of merit.

R5915 DURATION OF COURSE

THREE YEARS FULL TIME

R 5516 INTAKE CAPACITY

Total 40 Students. 20 students each Batch for practical.

R 55分 TEACHING STAFF (QUALIFICATION & EXPERIENCE)

For F.Y. BSc. - Core Subject Faculty

Sr. No.	Paper	Faculty	Weekly Workload	Annual Work load	Qualification
1.	Maritime Studies – I	1 Part Time / Visiting	Theory – 3 Practical - 1	Th – 90 Pr - 30	Master Mariner Foreign Going, MEO CI. II [Marin Engineering Officers, On
2.	Food Production – I	1 Full time	Theory – 3 Practical - 8	Th - 90 Pr - 240	MHM / MTM , with Degree or Diptoma in Hotel Management from a
_				ngar san sanga pertua unit 1860 pertua trada	UGC recognised University or AICTE recognized Technical
3.	Food & Beverage - I	1.0-4.5	-		Institute
. 0.	100d & beverage - 1	1 Part Time	Theory – 3	Th - 90	MHM / MTM / with Degra
	. di 1	/ Visiting	Practical - 3	Pr – 90	or Diploma in Hotel Managemen from a
		t tropping	Service of the servic		UGC recognised University or AICTE recognized Technical Institute
4.	Accommodation & Facility Management - I	1 Part Time / Visiting	Theory - 3 Practical - 3	Th = 90 Pr = 90	MHM / MTM / with Dey or Diploma in Hotel Management from a UGC recognised University or AICTE recognized Technical
5.	Cost & Financial Management – I	Visiting	Theory - 2	Th - 60	Institute M.Com / C.A. / ICWAS equivalent from a USC recognized University ACITE recognized Technical Institute

For S.Y. BSc. - Core Subject Faculty (Workload of F.Y. & S.Y. fogether)

For S.	Y. BSc Color	Faculty	Weekly Workload	Annual Work load	Qualification
NO. 1.	Maritime Studies – II	1 Full Time (for F.Y. & S.Y.)	Theory – 6 Practical - 3	Th – 180 Pr - 90	Master Mariner Foreign Going, MEO CI. II (Marine Engineering Officers, Class II)
2.	Food Production - II	1 Full Time + 1 part time (for F.Y. & S.Y.)	Theory – 5 Practical- 15	Th – 150 Pr – 450	MHM / MTM / with Degree or Diploma in Hotel Management from a UGC recognised University or AICTE recognized Technical Institute
3.	food & Beverage – II	1 Full Time (for F.Y. & S.Y.)	Theory – 5 Practical - 5	Th – 150 Pr – 150	MHM / MTM / with Degree or Diploma in Hotel Management from a UGC recognised University or AICTE recognized Technical Institute
4.	Accommodation & Facility Management – II	1 Part Time / Visiting (for F.Y. & S.Y.)	Theory – 5 Practical - 5	Th – 150 Pr – 150	MHM / MTM / with Degree or Diploma in Hotel Management from a UGC recognised University or AICTE recognized Technical Institute
5.	Cost & Financial Management – II	1 Part Time / Visiting (for F.Y. & S.Y.)	Theory - 4		M.Com / C.A. / ICWA or equivalent from a UGC recognized University or ACITE recognized Technical Institute

For T.Y. BSc. - Core Subject Faculty (Workload of F.Y., S.Y. & T.Y. together)

	Y. BSc Core Subject F	aculty (Workload	* Weekly	Annual	Qualification
Sr. No.	Paper	Faculty	Workload	Work load Th -240	Master Mariner Foreign
1.	Maritime Studies – III	1 Full Time + 1 Visiting (for F.Y., S.Y. & T.Y.)	Theory - 9 Practical - 5	Pr - 130	Going, MEO CI. II (Marine Engineering Officers, Class II)
2.	Food Production – III	3 Full Times (for F.Y., S.Y. & T.Y.)	Theory – 8 Practical- 21	Th -210 Pr - 570	MHM / MTM / with Degree or Diploma in Hotel Management from a UGC recognised University or AICTE recognized Technical Institute
3.	Food & Beverage -	1 Full Time + 1 Visiting (for F.Y., S.Y. & T.Y.)	Theory - 8	Th - 210	MHM / MTM / with Degree or Diploma in Hotel Management from a UGC recognised University or AICTE recognized Technical Institute

4.	Accommodation & Facility Management – III	1 Full Time + 1 Visiting (for F.Y., S.Y. & T.Y.)	Theory – 8		MHM / MTM / With Degree or Diplomain Hotel Management University or AICIE Institute
5.	Cost & Financial Management – III	1 Part Time / Visiting (for F.Y., S.Y. & T.Y.)	Theory – 7	100	recognized Technical Institute M.Com / C.A. / ICNA UGC recognized University or ACITE recognized recognized Technical Institute

[•] Classes will be conduct for 20 weeks in T.Y. BSc and rest of period will be utilised for Industry

Allied Subjects (Visiting Faculties) FY B.Sc.

Food Safety & Sanitation Nutrition and Food Science Communication Skills

Allied Subjects (Visiting Faculties) SY B.Sc.

Bakery & Confectionary Soft Skills Information Technology Applications

Allied Subjects (Visiting Faculties) TY B.Sc.

Principles of Management HRM Strategic Management

Qualifications: Posi Graduates in respective area of specialization or Graduation with 10 years Indus experience

Training & Placement Officer (S.Y. & T.Y.)

Qualifications: MHM, MTM, MBA, Master Marine Foreign Going

Lab Attendant

FY BSc:

1 Lab attendant and 2 peon for Food Production, Food & Beverages and Accommodation & Facility Management laboratories

1 Lab attendant for seamonship laboratory

SY BSc: Cumulative Load of F.Y. & S.Y.

1 Lab attendant and 3 peon (for extra load of Food Production & Bakery Practicals of S.Y. BSc)

1 Lab attendant for seamanship laboratory

_{1Y BSc: Cumulative Load of F.Y., S.Y. & T.Y.}

1 Lab assistant 1 Lab attendant and 3 peon (for extra load of Food Production laboratory for T.Y. B.Sc.) 1 Lab attendant for seamonship laboratory

Qualifications: ,

Qualification

Lab Attendant-10th pass with minimum one year craftsmanship course in respective area or Certificate Course in Maritime Catering / Saloon Rating certificate / Deck Rating (for seamanship lab)certificate holder from any Directorate of General of Shipping approved Institute.

peon - 10th pass

LIBRARY

The college / institution shall spend minimum Rs 1, 00,000 in the first year on purchase of books and journals as the initial investment on the library, thereafter the entire library fees collected from the students shall be invested on library as per university guidelines.

EQUIPMENTS

Annexure - I

RESTE SCHEME OF EXAMINATION

Examination shall be conducted at the end of each term like other subjects under science faculty.

For First and Second Year

Examination will be conducted by college/institute for first and second year. The college / institution shall carry out the evaluation for theory papers and practical examinations as per the scheme.

Theory examination shall be of 60 marks for each term and converted to 40 marks for final aggregate. There shall be one term end practical examination as per the teaching and examination scheme.

For Third Year

Third year final examinations will be conducted by the University of Mumbai. Theory & practical paper shall carry marks as per the scheme. The evaluation of the performance of the students in theory papers shall be on the basis of both internal assessment (20%) and final examination (80%). Internal evaluation shall be on the basis of term end examination. The final examination shall be held at the end of the year and shall be of 2½ hours duration.

The internal evaluation marks of students of the third year shall be sent to the university by the respective college / institution before commencement of the final theory examination.

The evaluation of projects in the third year shall be carried by the examiners appointed by the university inclusive of viva – voce examination. The project report and viva-voce examinations shall be assessed as per the scheme.

R 芝多州 STANDARD OF PASSING

For F. Y. B.Sc.

A candidate shall be placed in first class with distinction if he / she secure a minimum of smark in aggregate. Smark in aggregate.

A candidate shall be placed in first class if he/ she secure a minimum of 50% mark in aggregate.

" to / she secure a minimum of the secure and the secure a minimum of the secure and the se

theory and practical paper separate.

A candidate shall be placed in second class if he / she secure a minimum of 40% mark in aggregate.

The secure a minimum of 40% mark in aggregate.

A candidate shall have to secure atleast 40% mark in each of the theory and practical papers

A candidate who fails in more than two theories and one practical paper at the final examination.

A candidate who fails in more than two theories and one practical paper at the final examination.

A candidate should keep a minimum of 75% attendance in each head of passing (theory or

A candidate shall clear his / her theory and practical papers in a maximum of three consecusions to the college. examinations conducted by the college.

For S. Y. B.Sc.

A candidate shall be placed in first class with distinction if he / she secure a minimum of 50% more in garages. each of the theory and practical paper separately and at least 75% mark in aggregate.

A candidate shall be placed in First class if he / she secure a minimum of 50% mark in each of the card of the car theory and practical paper considered separately and at least 60% mark in aggregate.

A candidate shall be placed in second cluss if he / she secure a minimum of 40% mark in each of the theory and practical paper considered separately and at least 50% mark in aggregate.

A candidate shall have to secure at least 40% mark in each of the theory and practical paper to pass the examination.

A candidate who fails in more than two theories and two practical papers at the final examination of S.Y. B.Sc. shall not be allowed to keep the terms for the T.Y. B.Sc.

A candidate should keep a minimum of 75% attendance in each head of passing (theory on practical) to be eligible for appearing for examination.

A candidate shall clear his / her theory and practical papers in a maximum of three consecutions examinations conducted by the college.

FOR T. Y. B.SC.

for 1.

A candidate shall be placed in first class with distinction if he / she secure a minimum of 50% marks in A candidate shall be placed and project paper separately and at least 75% mark in aggregate.

A candidate shall be placed in first class if he/ she secure a minimum of 50% marks in each of the theory, practical and project separately and at least 60% in aggregate.

A candidate shall be placed in second class if he / she secure a minimum of 40% mark in each of the theory, practical and project paper considered separately and at least 50% marks in aggregate.

A candidate shall have to obtain a minimum of 40% mark in each theory, practical paper and minimum 50% mark in project paper and Industrial Training.

A candidate who fails in any particular theory, practical or project paper shall be allowed to reappear for that theory, practical or project paper. But in that case his / her internal evaluation marks shall be carried over and shall not be entitled to any class on passing.

 $_{ ilde{A}}$ candidate who fails in more than two theories and one practical paper at the final examination of $_{ ilde{I},Y}$. B.Sc. shall not be allowed to keep the terms.

A candidate should keep a minimum of 75% attendance in each 'sead of passing (theory, practical and project) to be eligible for appearing for examination.

A candidate shall clear his / her theory and practical papers in a maximum of three consecutive examinations conducted by the University.

TEACHING AND EXAMINATION SCHEME FOR DEGREE COURSE, COURSE NAME : B.Sc. MARITIME HOSPITALITY STUDIES

DURATION OF COURSE : THREE YEAR

YEAR: FIRST YEAR

	, FULL TIME	/ PART TIM	E: FULL TIME		
CORE SUBJECT S		TEACH	ling SCHEME r the year)	EXAMINATION SC M/	HEME & M.
SR. NO.		тн	PR	THEORY	
1	Maritime Studies – Paper I (Ship, Shipping Industry a nd Safety)	90	30,	80	PRACTICA 60
2	Food Production - Paper I	90	240	80	80
3	Food &Beverages – Paper I (F&B Service)	90	90	, 80	60
4	Accommodation and Facility Management – Paper I (Cabin Service)	90	90	80	60
5	Cost and Financial Management – Paper I (Food Costing)	60	e e egotica p eguso ta chica a gran escapa	80	
	ALLIED SUBJECT S	4 6 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1
6	Food Safety and Sanitation	60		80	
7	Nutrition and Food Science	60		80	
3	Communication Skills	60	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	80	
	Total	600	450	640	26

INSTITUTIONS HOURS PER WEEK: 35 HRS

Marks (Subtotal - I) - 900

R---- The candidates shall be examined in the following subjects for first year examination in Mariline Hospitality Studies Hospitality Studies.

MARITIME STUDIES (PAPER I) MARITIME PING INDUSTRY & SAFETY)

Marks Contact Hours 90

This subject exposes the students to Safety, Legislation and preventive maintenance onboard and this additional street courses. mis source STCW Courses. Practicals

Familiarization & Orientation UNIT 1

Theory 15 Hours

- 1.1 Ship
- 1.2 Shipboard Organization
- 1.3 Merchant Ship Types and their functions
- 1.4 Life on board
- 1.5 Parts of Ship
- 1.6 Terms defining position and direction of the ship
- 1.7 Terms defining movement of the ship
- 1.8 Draught, Load Line
- 1.9 Jetty, Berth, docks, slips, basins
- 1.10 Dry docks
- 1.11 Sea Measures
- 1.12 Functions of D. G. Shipping, MMD, SEO, Port Health,

Customs, Immigration, Dock Safety

- 1.13 Signing on/off, offences against discipline
- 1.14 Official Log Book
- 1.15 Articles of Agreement
- 1.16 Personal documents

Personal Safety & Social Responsibilities & Personal Survival UNIT 2

10 Hours 15 Hours

- Technique
- 2.1 Emergency procedures onboard
- 2.2 Pollution prevention
- 2.3 Safety Philosophy and Safe Working Practices
- 2.4 Safe Thinking and Accident Prevention Onboard
- 2.5 Communication Onboard
- 2.6 Interpersonal Relationship
- 2.7 Social Responsibilities
- 2.8 Introduction, Safety and Survival
- 2.9 Emergency Situations
- Evacuation 2.10
- Survival Craft and Rescue Boats 2.11
- Personal Life Saving Appliances
- Personal Life Saving Appliances (Demonstrations) 2.12 2.13
- Survival at Sea 2.14
- **Emergency Radio Equipment** 2.15
- Helicopter Assistance 2.16
- Survival Craft Drills * 2.17

Fire Prevention & Fire Fighting UNIT 3

- 3.1 Introduction, Safety Principle
- 3.2 Theory of Fire
- 3.3 Fire Prevention
- 3.4 Fire Detection
- 3.5 Fixed Fire Extinguishing Systems
- 3.6 Fire Fighting Appliances & Equipment
- 3.7 Shipboard Fire Fighting Organisation
- 3.8 Fire Fighting Methods & Procedures
- 3.9 Fire Fighting Drills

15 Hours

10 Hours



Proficiency in Elementary First Ald UNIT 4

4.1 General Principles

4.2 Body Structure & Functions

4.3 Positioning of Casualty

4.4 The Unconscious Casualty

4.5 Resuscitation

4.6 Bleeding

4.7 Management of Shock

4.8 Burns and Scalds and Accidents caused by Electricity

4.9 Rescue & Transport of Casualty

4.10 First Aid Practicals*

UNIT 5 Marine Safety

5.1 Safety Induction

5.2 Risk Assessment

Main Elements of Risk Assessment

Detailed Risk Assessment

5.3 Health Surveillance

3.1 Purpose

3.2 Application

5.4 Safety Committee

Safety Officers & Representatives

Safety Inspections

Check list for Safety Officer's Inspection

Accident Investigation & Records of accidents

5.5 Personal Protective Equipment

- Types of Equipment
- Face & Eye Protection
- Respiratory Protective Equipment
- **Body Protection**
- Protection against drowning

5.6 Means of access & Safety Signs

- Safe Movement
- Boarding Arrangements
- Entry into dangerous spaces
- 'Permit to work' System
- Safety Signs

5.7 Fire Precautions

- General
- Spontaneous Combustion
- Machinery spaces & galleys

5.8 Security onboard

- Stowaways
- Piracy
- General Precaulions

5.9 Living onboard

- Health & Hygiene
- Working in hot climates
- Substances hazardous to health
- Cuts, burns & scalds

5.10 Safe Movement

- General
- Transit Areas
- Lighting
- Watertight doors
- Manual Handling Techniques Code of Hand Signals

15Hours

15 Hours

OF MUMBAL.

- food Preparation & Handling
 Health & Hygiene Health & Hygiene Slips, falls & tripping hazards
 - slips, juilis equipment, care & handling catering equipment and starting
 - Refrigerated rooms and stores

- 5,12 Maintenance General

 Air conditioners & Refrigeration Machinery

 Air chical Equipment
 - Electrical Equipment
- Laundry Equipment 5.13 Hazardous Substances
 - . General
 - . Asbestos Dust
 - . Dangerous Goods
 - Dry Cleaning Operations
 - . safe use of pesticides

Standard Marine Navigational Vocabulary

15 Hours

61 Miscellaneous phrases 62 internal communication 63 Cruise Ship Dictionary

Total

90 hrs.

30 hrs.

polical exercises to be carried out as required by Table A-VI/1.1, Table A-VI/1.2, Table A-VI/1.3 months are a series of international Maritime Organisation Maritime Organisation

be continuous assessment of skills being acquired through class work, practical and periodic by project works / tests/ orals etc. ments / project works / tests/ orals etc.

strong journal to be submitted at the end of each term for assessment

#rence Books:-

facilical knots and rope works, Bland ford, percy, W. Tab books Inc Wely and Survival at Sea, 1980, LEE, ECB & Others, New York, WW Norton and co. Model course crowd management, IMO, London Was, 2001, Consolidated edition, Mumbai, Sterling Book House

Pattern of Question Paper:-(First year B.Sc. Maritime Hospitality Studies)

First Term	(Duration)	2 hrs.)	Second Ter	m (Du
Questions in	Units	Maximum Marks	Questions In Examination Paper	Units Units
Examination Paper	1, 2,3	15	Q-1	Maximus
Q-1	1, 2,0	15	Q-2	4,5,6 Maximum
0-5	2	15	Q-3	15
Q-3	3	15	Q-4	3
Q-4	Total	60		Total 15

- Marks obtained at the end of each term test shall be converted to out of 40 to the next intermediate.
- Question no. 1 should be of short answer type questions having six sub questions (2 from a marks each, Total 5 questions are to be attempted).
- Question 2, 3 & 4 should be from topics mentioned in the table total 3 sub questions.

Conduct of Practical Examination

Maximum Marks 60

- * Practical exams of 10 marks each to be conducted for
 - a) Fire Prevention & Fire Fighting (FPFF)
 - b) Personal Survival Technique (PST)
 - c) Proficiency in Elementary First Aid (EFA)
 - d) Personal Safety and Social Responsibility (PSSR)
- A candidate shall be judged on the basis of his performance during drills and viva-voce.
- Journal (continuous assessment of practical throughout the year) 10 marks.
- Viva-voce 10 marks

YEAR - I

FOOD PRODUCTION – Paper I

Objectives:-

Marks Contact Hours 90

the subject will develop basic awareness of the technical skills required in the food production the subject will the subject will be subject w department it does not be department. The department is does not be department it does not be department it does not be department. The department is does not be department it does not be department it does not be department. The department is does not be department in the department in the department is does not be department. The department is does not be department in the department in the department is does not be department. The department is does not be department in the department in th uses and harding personal product the varieties of dishes suitable for the varieties use of correct tools and equipments to prove the varieties of dishes suitable for the varieties, use of correct tools and equipments to prove the varieties of dishes suitable for the varieties. the various occasion to the right attitude, good work habits, right cooking techniques, use of correct tools and equipments to prevent nutritional and material loss, wastage and damage.

and darric				millional and mate	erial loss, wastage
1.1 1.2 1.3 1.4 1.5 1.6 1.7	Organization of C Responsibilities of Attributes of a cu Levels of Skills Chef as a Busines Interaction betwee Galley Organizat	een service and pr	ern Cookery ern Kitchen and, Restaurants Kitc	nen v/s onboard	15 Hours d Ships ship
1.9	Abats A la A la - Carte Appetiser Aspic Au four Au gratin Bain Marie Blanc Blanching Blend Bouquet Garni Broil Baking Barbecue	Baste Batter Béchamel Bind Buerre Biryani Canape Carte Du Jour Caramelize Concasse Condiments Consomme Court Buillion Croquettes Croutons	Dum Demi Darne Egg Wash Emulsion Entrée Entremet Espagnole Fillets Fricassee Fritters Farinaceous Garnish Gherkins Giblets	Gravy Garammasala Hors d'œuvres Juliennes Kababs Liasion Mirepoix Mise-en-place M.S.G Mousse Marinade Menu Manne Macedoine	Poisson Puree Pasta Parboil Panch Poran Rogan Ragout Rechauffe Reduce Salamander Supreme Shorba Yakhni Zest

Glaze

UNIT 2 BASIC ELEMENTARY KNOWLEDGE OF FOOD PRODUCTION

Cuisine

15 Hours

2.1 **EQUIPMENTS**

2.1.1 Large Equipments

Banquette

- a) Stove b) Steamers C) Boiling Pan / Steam Jacket Kettle
- d) Deep-fat fryers e) Hot Cupboard & Bain-marie
- f) Grills and Salamanders
- g) Contact Grills
- h) Fry Plate / Griddle Plate
- i) Sink
- j) Table

k) Butcher Block

Maitre d'hotel

- I) Storage Racks
- Potato Peelers m)
- Refrigerators and Walk-in Coolers n)

Zarda

- 0) Food Mixer
- Food Slicer and Chopper p)
- Hood and Exhaust Systems q
- Oven r)
- Tilting Pan s)
- Microwave t)

2.1.2	Small Equipments		1£
2.1.2	a) Knives		
	 a) Knives b) Other tools of the trade onboard a ship c) Moulds and cutters used in Bakery 		
	c) Moulds and Cutters asset it is Maintenance and Safety of Equipments		
2.1.3	Maintenance and salety		
	COOKING METHODS		
2.2	Roiling Poaching Steaming	Stewing	
	Braising Roasting Chilling	Baking	
	Frying Broiling Microwaving		
2.3	MISE-EN-PLACE		
2.3.1	Pre preparation of ingredients (Methods)		
2.3.2	Combining and Mixing In the preparation of Food	ds	
2.4	TEXTURE		
2.4.1	Appearance, Feel to touch, Softness, Mouth Feel		
2.4.2	Various Toyturos		
2	Firm and Close, Short and Crumbly, Light & Even,	Spongy, Flaky	
2.5	PRINCIPLES OF USING RECIPES EFFECTIVELY	, smooth	
2.5.1	Importance of measuring accurately		
2.5.2	Standardized Recipes		
2.5.3	Converting volume measures to weight		
2.5.4	Converting between US and Metric measuremen	Systems	
2.0.4	Convening Bernesines and the memory accounts.	. 5/3/6/115	
UNIT 3.	CHARACTERISTICS OF RAW MATERIALS		
3.1	Salt and its uses		
3.2	Secondary Seasoning Agents		
3.3	Liquids		
3.4	Fats and Oil		
3.5	Raising or leavening agents		
3.6	Thickening and Binding Agents	lut hue t	
3.7	Flavoring	Manager Constant	
3.8	Egg		
3.9	Milk and Milk Products		
3.10	Convenience food its use in galley operation		
UNIT 4	MEAT, POULTRY AND GAME		
4.1	Factors that give meat good quality		
4.2	Cooking Methods		
4.3	How to judge quality of		
	a) Beef b) Lamb c) Pork		
4.4	Cuts of Meat (Diagrams with Common Parts and C	The first model of the	
	a) Cuts of Lamb b) Cuts of Pork C) Cuts of Beef	.UIS)	
4.5	Types of birds included in poultry		
4.6	Criteria for choosing bird		
4.7	Popular cuts of poultry		
4.8	Trussing a poultry		
	THE STATE OF THE POPULAR AND ADDRESS OF THE POPU		

UNIVERSITY OF MUMBAI YEAR - I Definition of games Hanging games Harrious types of games and preparation method 4.9 4.10 4.11 FISH COOKERY Common Classification of Fish 15 Hours uNIT 5. Continue Fish (Round) ii) Lean Fish (Flat) iii) Oily Fish iv) Shell Fish How to choose a Fish 5.1 Cooking Methods 5.2 Common cuts of Fish:- Fillet, Paupiette, Supreme, Meuniere, Darne, Steak 5.3 5.4 15 Hours UNIT 6 FRUITS Classification of Fruits 4.1.1 Selection and Handling of Fruits 6.1.1 Preparation of Fruits 6.1.2 Fruit as a primary culinary preparation 6.1.3 Few international standards of inspection, selection & grading of fruits 6.1.4 6.1.5 Availability & storage 6.1.6 CEREALS & PULSES Introduction to Rice, Corn, Oats, Soya and Soya products. 6.2 6.2.1 Sprouts - Definition, Methods of Preparation and its uses 6.2.2 FOOD PRODUCTION - I (PRACTICAL) Marks 80 15 ets of menus / activities are to be done during the academic year. It is compulsory for each student battend at least 19 menus / activity during the session. IDENTIFICATION OF RAW MATERIAL **ACTIVITY 1** IDENTIFICATION OF FISH, POULTRY, MEATS AND THEIR FABRICATION **ACTIVITY 2** MISE-EN-PLACE AND CUTS OF VEGETABLE **ACTIVITY 3** SALADS AND DRESSINGS **ACTIVITY 4** a) Waldroff Salad b) Coleslaw Salad c) Tossed Salad d) Salad Nicoise e) Mayonnaise Dressing French Dressing f) g) English Dressing a) Kachumber Salad **ACTIVITY 5** Chicken Curry b) c) Aloo Gobi Dry d) Rajma Rasedar Dal Tadka e) Plain Rice f) g) Chappathi h) Rice Kheer

- 16 -

LICOTT	
ACTIVITY 6	a) Plain Butter Milk b) Aloo Chat c) Mutton Rogan Josh d) Baigan Bharta e) Veg Kofta in Palak Gravy f) Jeera Pulao , g) Dal Makhani h) Sheera
ACTIVITY 7	a) Sweet Lassi b) Fish Amritsari c) Beans Foogath d) Shabnam Curry e) Plain Paratha f) Vegetable Pulao g) Carrot Halwa h) Readymade Tea
ACTIVITY 8	a) Plain Dosa b) Idli
	c) Medu Vada d) Sambar e) Coconut Chatni f) Dahi Bhalla g) Khandvi h) Assorted Pakoda
ACTIVITY 9	 a) Cream of Tomato Soup b) Roast Chicken with Red wine sauce c) Vegetable Au-gratin d) Roast Potato e) Herbs Rice f) Bread Butter Pudding g) Café Royal
ACTIVITY 10	a) Green Salad b) Lentil Soup c) Irish Stew d) Sautéed Vegetable e) Creamed Mushroom f) Boiled Rice g) Swiss Roll with custard sauce h) Coffee
ACTIVITY 11	 a) Consommé Julierine b) Roast leg of Lamb with Mint Sauce c) Braised Cabbage d) Jacket Potato e) Creme Caramel f) Irish Coffee
ACTIVITY 12	 a) Gazpacho Soup b) Fish Meuniere with Lemon Butter Sauce c) Fried Fish with Tarter Sauce

- 17 -

- d) Parsley Potato
- e) Creamed Spinach
- French Fries
- g) Chocolate Mousse
- h) Lemon Tea

ACTIVITY 13

- a) Vegetable Stock
- b) White Stock
 - Chicken Stock
 - Fish Stock
- c) Brown Stock
 - Beef stock / Veal stock
 - Mutton stock

ACTIVITY 14

- a) Mother Sauces
 - White or Béchamel Sauce
 - Brown or Espagnale Sauce
 - Veloute Sauce
 - Tomato Sauce
 - Hollandaise Sauce
 - Mayonnaise Sauce

ACTIVITY 15

- a) . Clam Chowder
- b) Grilled Fish Granobolise
- c) Chicken Maryland
- d) Steamed Asparagus
- e) Grilled Vegetable
- Fruit Custard f)
- g) Banana Fritters
- h) Black Tea

ACTIVITY 16

- a) Vanilla Milk Shake
- b) Omelette
- c) Fried Eggs
- d) Potato Cake
- e) Vegetable Cutlets
- Hash Brown Potato
- g) Chicken Burger

ACTIVITY 17

- a) Egg Bhurgee
- b) Puri Bhaji
- c) Upama
- d) Aloo Paratha
- e) Misal Pav
- Mysore Bonda f)
- g) Madras Coffee

ACTIVITY 18

- a) Tandoori Chicken
- b) Tandoori Roti
- c) Green Chatni
- d) Egg Curry
- e) Usal
- Kadi Pakoda f)
- g) Lemon Rice

ERSITY OF MU	JIVIDAI	-
	h) Chana Dal Payasam	
ACTIVITY 19	a) Cream of Cucumber Soup b) Hungarian Goulash c) Poulet Sauté Chasseur d) Ratatouille e) Veg Pilaf f) Bread Rolls	rt Uf
	g) Honey comb mould	3.
ACTIVITY 20	a) Scotch Broth b) Shepherd Pie c) Vegetable Stew d) Herbs Rice e) Bread Rolls f) Coffee Mousse	5. 6. 7-
	f) Coffee Mousse	8.
ACTIVITY 21	 a) Cream of Dubarry b) Poulet Sauté Portuguese c) Baked Marconi d) Corn and Spinach Au-grafin e) Bread Rolls f) Queen of Pudding 	7. 1(p) (F
ACTIVITY 22	a) Cream of Celery Soupb) Fish Morneyc) Aubergine Provencal	Ī
	d) Garlic Spaghetti e) Elbert Pudding	
ACTIVITY 23	 a) Chicken Chowder b) Meat balls in BBQ Sauce c) Corn and green Pepper Fritters d) Steam Rice e) Bread Rolls f) Ginger Puddings 	-
ACTIVITY 24	a) Tomato Okra Soup b) Poulet Sauté Forestiere c) Vegetable Pie d) Spaghetti Napolitana e) Bread Rolls f) Pancake with Coconut Filling	
ACTIVITY 25	a) Cream Mushroom Soup b) Chicken Ala King c) Lentil Rissoles d) Cheese and Corn Soufflés	

^{*}NOTE: there will be continuous assessment of skills being acquired through class work, practical & petiols assignments / project works / tests / ordes to assignments / project works / tests / orals etc.

- 19 -

f) Pineapple Mousse

e) Herbs Rice

^{*}At least 19 experiments to be undertaken by each student

^{*}Laboratory journal to be submitted at the end of each term for assessment

Merence Books:-Cookery for Teaching and Trade, Thangam E. Philip, 4th Vol., 1996, Orient Longman Ltd.,

Modern Vol., 1996, Orient Longman Ltd., 1900, of Cooking, Lundburge & Kotschevar, Wayne Gisselen

Ment Vol., 1996, Orient Longman Ltd., 1900, of Cooking, Lundburge & Kotschevar, Wayne Gisselen

Ment Vol., 1996, Orient Longman Ltd., 1900, Theory of Cookery, Lundburge & Kotschevar, Wayne Gisselen Lessional Cooking, Kinton Ceserani, 7th, 1992, Lundburge & Sons 605, 3rd Asseten meent will ding Cooking, 4th, 1992, John Weily & Sons 605, 3rd Avenue, N. Y. molestional Catering, Kinton Ceserani, 7th, 1996, Hodder & Stoughter, N. Y.

Indersional Cooking, Kinton Ceserani, 7th, 1996, Hodder & Stoughton Educational, 338, Euston Road,

meony and Commodifies, Bernard Davis, 4th, 1998, William Heinmen Ltd. 15, Queens Street, May Fair,

Stanley Thornes Ltd., Old Drive, England.

prive, England Management & meal preparation, Joy Smith, 2002, Warsash Nautical Books 6, Marsash, Sonthampton 5031, 9 H2, UK then a noun season, Sonthampton 5031, 9 H2, UK ples Road, Warsash, Sonthampton 5031, 9 H2, UK

Cuising Cuising, Kay Pastorius, 1997, Warsash Nautical Books 6, Dibles Road, Warsash, Sonthampton ,131, 9 H2, UK

gere & feeding of sailing crew, Lin Pardey with Larry Pardey, 1995, Warsash Nautical Books 6, poles Road, Warsash, Sonthampton 5031, 9 H2, UK

gn of Question Paper:-

Hern B.Sc. Maritime Hospitality Studies)

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First Term	Duration	2 hrs.)	Second Ter	m (D	
Questions in	Units	Maximum Marks	I Account in		ion 2 hrs.)
amination Paper	1, 2,3	15	Examination Paper	Units	Maximum Marks
Q-2	1	15	Q-1	4,5,6	15
Q-3	2	15	0-3	4	15
Q-4	3	15	Q-4	5	15
	Total	60		Total	60

Marks obtained at the end of each term test shall be converted to out of 40 to the next integer for

Question no. 1 should be of short answer type questions having six sub questions (2 from each unit) alamarks each. Total 5 questions are to be attempted).

Question 2, 3 & 4 should be from topics mentioned in the table total 3 sub questions to be thempted of 5 marks each out of the choice of 4 sub questions.

YEAR

Conduct of Practical Examination

Maximum Marks 80

Candidate will be given a menu comprising of 4 dishes.

- Candidate will be given a menu comprising of a distribution of the menu he gets. Indent sheet and plan of work sheet to be filled by the candidate of the menu he gets.
- Candidate will be given a menu he gets, Indent sheet and plan of work sheet to be filled by me candidate of me menu he gets, Indent sheet and plan of work sheet to be filled by me candidate of me menu he gets, Indent sheet and plan of work sheet to be filled by me candidate of me menu he gets, Indent sheet and plan of work sheet to be filled by me candidate of me menu he gets, Indent sheet and plan of work sheet to be filled by me candidate of me menu he gets, Indent sheet and plan of work sheet to be filled by me candidate of me menu he gets, Indent sheet and plan of work sheet to be filled by me candidate of me menu he gets, Indent sheet and plan of work sheet to be filled by me candidate of me menu he gets. He / she supposed to collect indents, prepare and present the dishes in the menu he gets. He / she supposed to collect indents, prepare and working area is also to be done within stipul. time.

 Cleaning and securing equipments and working area is also to be done within stipulated in the done as follows –

•	Cicarinia dono as follows -	
	Assessment will be done as follows -	-
•	ASSESSITION	

Journal	Indent Sheet & plan of work	Colours	Consistency	Taste	Texture	Viva-voce
	10	10	10	10	1 10	10

1000 & BEVERAGE SERVICE PAPER I (F& B SERVICE)

YEAR - I

80 Marks 90 **Contact Hours**

Objectives:-

mis subject will introduce the students to laying of covers and basic technique of Food and Beverage this subject will to develop a comprehensive knowledge & understanding of Food and Beverage service and basic technique of Food and Beverage service in the subject will be subject to develop a comprehensive knowledge & understanding of Food & Beverage Service in the subject to the subject will be subject to the subject service and to & Catering industry. It also aims to enable the students to acquire professional the Hospitality for Food & Beverage Service & its related activities. Part of the training would be under simulated environment.

INTRODUCTION TO F & B SERVICES ASHORE & ONBOARD

15 Hours

UNIT 1 Origin of Hospitality Industry

1.1.1 Sectors in F & B Services

1.1.2 Service Equipments

1.1.3 HISTORY OF SAILING

1.2 About Hospitality Industry 1.2.1

Difference in Saloon Service on Merchant Vessels, Passenger Ships and Cruise Liners 1,2.2

Brief description of Hotel and Catering Industry 1.2.3

Type of F & B Service found on Cruise Ships 1.2.4

Basic Difference in layout of Shore Based Restaurant and Dining Hall of a Cruise Ship 1.2.5

INTRODUCTION TO F & B DEPARTMENT UNIT 2

15 Hours

Staff organization of F & B Department 2.1

Brief description of Space and Time as most valuable commodity onboard and its effect

Attributes of F & B Staff

Etiquettes of F & B Staff

RESTAURANT AND ITS EQUIPMENTS 2.2

Furniture 2.2.1

Difference in Furniture designs in Ships Saloon 222

Glassware, Chinaware, Hallow ware, cutlery 2.2.3

2.2.4 Side Board (Dummy Waiter)

2.2.5 Automatic Vending Machines

2.2.6 **Buffet Equipments**

2.3 AUXILIARY AREAS OF F&B DEPARTMENTS AND THEIR IMPORTANCE

23.1 Pantry/ Still Room and activities

23.2 Stores

UNIT 3

3,7

11.1

23,3 Linen Room

23.4 Kitchen Stewarding 23,5

Silver Room 23.6

Inter Departmental coordination

F& B SERVICE PROCEDURES

RESTAURANT SETUP PRIOR TO SERVICE

15 Hours

Mise-en-place 312 Mise-en-scene

3.2	TABLE SERVICE	YE.
3.2.1	The Cover	, C
3.2.2	Takir g an Order, serving & clearance	
3.2.3	Preparing check	
3.3	SEQUENCE OF SERVICE	
3.3.1	Silver Service	
3.3.2	English Service	
3.3.3	American Service	
3.3.4	Russian Service	
3.3.5	Buffet Service	
3.3.6	Room Service	
3.4	DINING HALL (SALOON SERVICE) - ONBOARD SHIPS .	
3.4.1	DINING HALL (SALOON SERVICE) - ONBOARD SHIPS, Difference between meal service on Merchant Vessels and Cruise Ships A la carte Restaurant Onboard	
3.4.2	A la carte Restaurant Onboard	
3.4.3	Cabin Service Menu	
3.4.4	Port "ime Lunch Buffet	
3.4.5	Mid Night Buffet	
3.4.6	Galo Buffet and Entertainment	
3.4.7	Lido Deck (Pantry Fast Food) Service	
3.4.8	Precautions during rough weather	
UNIT 4	BREAKFAST & NON-ALCOHOLIC BEVERAGES	
4.1	Definition and Types – English, Continental, American, North Indian, South	دما
4.2	STIMULATING BEVERAGES	IND)
4.2.1	Tea (Common types) – Ready Made, Pot, Masala & Chinese	
4.2.2	Preparation and Service of Tea	
4.2.3	Coffee (Common types) – Espresso, Instant Coffee, Filter coffee, De-coffe	inate
4.2.4	Preparation and Service of Coffee	
4.2.5	High Fea and its Services	
	* Producting Macchines	
UNIT 5	CONTROL SYSTEMS	
5.1	Kilchen Order Ticket (KOT)	
5.2	Bar Crder Ticket (BOT)	
	METHODS OF BILLING AND PAYMENTS	
5.3	Difference Modes of Payments – Cash, Credit/ Debit Card, Tra	elef
5.4	when another constitutes	
5.4	Club Memberships and Corporate Clients	
3.3	CRS and Plan Guest	
6 TINU	MENÚ	
6.1	History of Menu	
6.2	A la carte	
6.3 6.4	Table d hote	
0.4	Menu Schedules	

UNIVERSITY OF MUMBAI YEAR - I b) Cyclic Menu Types of Menu a) Specialty Menu 6.5 b) Therapeutic Menu Courses in French Classical Menu MENU PLANNING 6.6 Factors Influencing Menu Planning Selecting Menu Items 6.7 Common Menu compiling Mistakes 6.8 6.9 Evaluating Menu 6.10 FOOD & BEVERAGE SERVICE PAPER - I (PRACTICAL) Marks 60 (F& B SERVICE) Total 25 practical are to be carried out from the first academic year, out of which 19 are compulsory for each dudent to attend. Identification of Cutlery and Crockery Identification of Glass Hollowware 2. Identification of special F&B equipments 3. Special cleaning of F&B equipments 4. Practicals of Napkin Folding 5. Laying & Relaying of Table Cloth 6. 7. Receiving Guest Practice of Water Service 8. Practice of Laying 3, 4 & 5 Covers 9, 10, 11. 12. Course Covers & Clearing

18. Menu Compiling Practice Laying of Covers for the Compiled Menu 19.

Practice of Food Service (Minimum 4 menus)

20. **Breakfast**

13 to 17.

21. Room Service

22. **Bar Service**

Restaurant 23.

Tea / Coffee Service 24.

High Tea Service 25.

25. High Tea service / Perlodic / NOTE: there will be continuous assessment of skills being acquired through class work, practical & Perlodic *NOTE: there will be continuous assessment of skills being acquired through class work, practical & Perlodic *NOTE: there will be continuous assessment of skills being acquired through class work, practical & Perlodic *NOTE: there will be continuous assessment of skills being acquired through class work, practical & Perlodic *NOTE: there will be continuous assessment of skills being acquired through class work. assignments / project works / tests / orals etc.

*At least 19 experiments to be undertaken by each student

*Laboratory Journal to be submitted at the end of each term for assessment

Reference Books:-

Reference Books:1. Food & Beverage Service, Sudhir Andrews, Tata McGraw Hill Publications, New Delhi,

2. Professional Food & Beverage Service Management, Brian Varghese Professional Food & Beverage Service Management, State Specific Smith, Fifth, 1998, Hodder Only
 Food and Beverage Service, Dennis Lillicrap, John Cousins Robert Smith, Fifth, 1998, Hodder Only
 Food and Beverage Service, Dennis Lillicrap, John Cousins Robert Smith, Fifth, 1998, Hodder Only

Stoughton Educational, 338 Euston Road, London

Stoughton Educational, 338 Euston Road, Loridon 4. The International Guide to Drinks, United Kingdom Bartenders' Guild, 1994, Vermilion, Randon SW 1V2SA House, 20 Vauxhall Bridge road, London SW 1V2SA

Pattern of Question Paper:-

(First year B.Sc. Maritime Hospitality Studies)

Theory

Theory First Term	Duration	2 hrs)	Second Ter	m (Durat	ion 2 hrs.)
Questions in Examination Paper	Units	Maximum Marks	Questions in Examination Paper	The street of the street	Maximum Marks
Q - 1	1, 2,3	15	Q-1	4,5,6	15
Q - 2	1	15	Q - 2	4	15
Q-3	2	15	Q - 3	5	15
Q - 4	3	15	Q - 4	6	15
Q - 4	Total	60	5	Total	60

- Marks obtained at the end of each term test shall be converted to out of 40 to the next integri final calculation.
- Question no. 1 should be of short answer type questions having six sub questions (2 from each) of 3 marks each. Total 5 questions are to be attempted).
- Question 2, 3 & 4 should be from topics mentioned in the table total 3 sub questions to attempted of 5 marks each out of the choice of 4 sub questions.

Conduct of Practical Examination

Maximum Marks 60

Duration 2 hrs.

A candidate will be given a menu to compile and laying table for it.

Assessment will be done as follows

Journal	Grooming	Identification of cutlery, crockery, glass ware and hollow ware	Menu Planning	Cover Vivo
10	10	10	10	10

UNIVERSITY OF MUMBAI YEAR - 1 ACCOMMODATION & FACILITY MANAGEMENT - PAPER I Marks Contact Hours 90 (CABIN SERVICE) This subject aims to establish the importance of House Keeping and its role in the hospitality industry. It are pares the student to acquire basic knowledge and skills necessary. This subject aims to obtain the mospitality industry. It is subject aims to acquire basic knowledge and skills necessary for different tasks of house also prepares the student to acquire basic knowledge and skills necessary for different tasks of house also prepares. keeping. UNIT 1 INTRODUCTION TO ACCOMMODATION & FACILITY MANAGEMENT 15 Hours ROLE OF ACCOMMODATION AND FACILITY MANAGEMENT IN HOSPITALITY INDUSTRY 1.1 ORGANISATION CHART OF ACCOMMODATION MANAGEMENT 1.2.1 Hierarchy in small, medium, large and chain hotels 1.2.2 Personality traits of Accommodation Management personnel 1.2.3 Duties and responsibilities 1.2.4 Accommodation Management in Cruise Industry CLEANING ORGANISATION 1.3.1 Cleaning operations onboard a ship 1.3 1.3.2 Classification of cleaning Agents, its selection, use, care and storage 1.3.3 Principles of cleaning and its organizing 1.3.4 Safety to be considered while cleaning 1.3.5 Cleaning schedules and checks 1.3.6 Use and care of cleaning equipment 15 Hours UNIT 2 PEST CONTROL 2.1 Integrated Pest Control Management (IPM) Preventive and Control measures 2.2 Pest Control Contractors and their role 2.3 Derattina Certification 2.4 Cockroaches different species infestation and control 2.5 Good House Keeping 2.6 IMO recommendations on the safe use of pesticides on board 15 Hours UNIT 3 CABIN / PUBLIC AREA CLEANING 3.1 Procedure for cabin cleaning

3.2 Cleaning of Public areas, alleyways, gangways, deck

3.3 Cleaning schedule, special care of front of the house area, high traffic areas, facade cleaning

UNIT 4 MANAGING MAINTENANCE

15 Hours

4.1 Types of maintenance

4.2 State goals of maintenance management system

4.3 Identify and explain the function of several important forms and documents typically used in maintenance management

4.4 Describe the role played by maintenance. Schedules and detailed instructions in a preventive maintenance programme

- 26 -

4.5 Maintenance emergencies

4.6 Describe the factors to consider when hiring contract maintenance service

FOODPRODUCTION AREA- INTRODUCTION, LAYOUT & DESIGN

5.1

UNIT 5

KITCHEN
5.1.1 Equipment requirement for commercial kitchen versus cruise galley

5.1.1 Equipment requirement to community large equipment, medium equipments and small

5.1.3 Describe other equipments and utensils

5.1.4 Planning of wet working areas 5.1.4 Planning of wet working areas 5.1.5 Planning of pot wash, wet grinding, chef room, larder store and other staff

5.1.6 Describe dish washing machines and garbage disposal

5.1.7 Kitchen equipment maintenance

LAYOUT / DESIGN 5.2

5.2.1 Principles of kitchen layout and design

5.2.2 Factor that affect kitchen design

5.2.2 Factor that attect kilcher layout and design based on the data provided

5.2.4 Budgeting of kitchen equipment

5.2.5 Kitchen equipment, manufacturer and selection

5.2.6 Planning for physically challenged

COORDINATION WITH FRONT OFFICE AND RECORDS MAINTENANCE

6.1 Room stations and room discrepancy

6.2 VIP classification

6.3 Key controls in Housekeeping

6.4 Incident report, lost and found procedure and scartly baggage report

Reference Books:-

1. Facilities Management, Trevor Payne, Chandos Publishing (Oxford)

2. Facilities Management And Maintenance, Quah, McGraw-Hill ISE

3. Facilities Management and the Business of Space, Wes McGregor, Danny Shiem-Shin Then, In **Publishers**

4. Facilities Management in Networked Organisations, Bob Grimshaw, Blackwell Publishers

5. Facility Management: Risks and Opportunities, Bev Nutt, Peter McLennan

6. Facility, Location, and Land Use, Chan, Taylor & Francis Group

ACCOMMODATION & FACILITY MANAGEMENT PAPER I - PRACTICALS (CABIN SERVICE)

Total 14 practical, out of which 11 are compulsory.

	asilear, oor or which it are composory.	
1	Giass Pane Cleaning	8 Hours
2	Polishing of Silver,	8 Hours
3	Brass	8 Hours
4	Cleaning of Public area	8 Hours
5	Offices	8 Hours
6	Bed Making	8 Hours
7	Stain Removal	6 Hours
		0 110013

15 Hoy

Marks

	Laundry	
8	Management of Linen and Uniform onboard ships	6 Hours
9	Polishing different surfaces	4 Hours
10	Daily Cleaning	6 Hours
11	Weekly Cleaning	6 Hours
12	Spring Cleaning	4 Hours
13	Flower arrangements	6 Hours
14		4 Hours

NOTE: there will be continuous assessment of skills being acquired through class work, practical & periodic Mole ments / project works / tests / orals etc.

righteast 11 experiments to be undertaken by each student

_{laboratory} journal to be submitted at the end of each term for assessment

Reference Books:-

- Hotel Housekeeping Training Manual, Sudhir Andrews, Tata Mc Graw Hill Publications
- 2 Professional Management of Housekeeping operations, Robert J. Martin, Jhon Weily & Sons 605,3rd
- 3. Fibres and Fabrics, Brenda Piper, Long Man Group Publications
- Hotel, Hostel and Hospital Housekeeping, Joan C Branson & Margaret Lennox, Edverd Arnold
- 5. Modern Household Science, Eva Mling, Allman Publications

Pattern of Question Paper:-

(First year B.Sc. Maritime Hospitality Studies)

First Term	Duration	2 lirs.)	Second Term (Duration 2 hrs.)			
Questions in Examination Paper	Units	Maximum Marks	Questions in Examination Paper	Units	Maximum Marks	
Q-1	1, 2,3	15	Q-1	4,5,6	-15	
Q-2	1	15	Q - 2	4	15	
Q-3	2	15	Q-3	5	15	
Q-4	3	15	Q - 4	6.	15	
	Totaí	60		Total	60	

Marks obtained at the end of each term test shall be converted to out of 40 to the next integer for final calculation.

Question no. 1 should be of short answer type questions having six sub questions (2 from each unit) of 3 marks each. Total 5 questions are to be attempted).

Question 2, 3 & 4 should be from topics mentioned in the table total 3 sub questions. attempted of 5 marks each out of the choice of 4 sub questions.

Conduct of Practical Examination

Maximum Marks 60 Duration 2 hrs.

- A candidate will be given a 2 activities bed making and polishing or special cleaning
- Assessment will be done as follows

	Journal	Grooming	Work sheet	Activity One: Activity Two
L	10	10	10	10 1 10 Vival
				10

COST AND FINANCIAL MANAGEMENT - PAPER I

(OOD COSTING)

Marks 80 **Contact Hours 60**

YEAR - I

Objectives:object and price food items, dishes and menus also this subject will help them to have a greater to destanding of the importance of accurate food costing and pricing portion contact. to cost and price local library, districts and menus also this subject will help them to have a greater to cost and pricing of the importance of accurate food costing and pricing, portion control and yield and understanding these components have on the Profit and Loss. understanding of the secomponents have on the Profit and Loss, the effects these components have on the Profit and Loss.

the effective		
UNIT 1	MANAGEMENT	15 Hours
1.1	Management objectives	
1.2	Definition	
1.3	Management Process	
1.4	Management resourses men, money, material, methods and machinery	•
1.5	Marketing and time capital investment – return on investment	
1.6	Budgets:- Definition and advantages	
	ELEMENTS OF COSTS	15 Hours
UNIT 2	Cost analysis – food cost labour cost	13 110013
2.1	Overheard cost elements	
2.2	Control of labour cost and over head cost	
2.3	Collinor of labour cost and over field cost	
UNIT 3	PURCHASE CONTROL	15 Hours
3.1	Qualities & qualifications required of a Purchase manager	
3.2	Duties of purchase manager	
3.3	Objectives of purchasing	
3.4	Purchasing procedures	
3.5	Selecting best suppliers	
3.6	Methods of purchasing	
3.7	Tender buying tender analysis	
3.8	ARC analysis	
3.9	Yield testing, yield calculations & yield percentages	
3.10	Centralized & decentralized purchasing	
3.11	Purchase requisition & purchase order	
		15 Hours
UNIT 4	STORES CONTROL	10 110013
4.1	Objectives of store keeping	
4.2	Location size & layout	
4.3	Organizing stores & equipments	
4.4		
4.5	Importance of store keeping Methods of store keeping classification of material	
4.6	Halbad of receiving	
4.7	Quantity control & Stock control	
4.8	- u lans	
4.9	Delivery challans Cross checking with purchase orders	
4.10	Bins card/ Meat tags	
4.11	a substituted (SCOFQ)	
	- 30 -	

UNIVERSITY OF MUMBAI Minimum stock, maximum stock & reorder level 4.12 Methods of stock valuation 4.13 Continuous / perpetual stock taking 4.14 Annual stock taking Causes of difference in book stock & physical stock 4.15 4.16 Avoidable & unavoidable causes of food spoilage 4.17 Daily / Monthly stock consumption 4,18 PRODUCTION CONTROL UNIT 5 Stores issues 5.1 opening balances of raw material / Left over & material in process 5.2 Production planning 5.3 Pricing menu card 5.4 Menu changes, menu engineering 5.5 Daily material consumption record 5.6 consumption records 5.7 Consumption analysis 5.8 COSTING, COST DYNAMICS & COST CONTROL UNIT 6 Daily food cost / gross profit with percentage & control. 6.1.1 Standard portion size 6.1.2 Standard beverage cost 6.1.3 Food cost percentage 6.1.4 6.1.5 Seat turnover ratio Average check 6.1.6 6.1.7 Sales per menu Gross profit method of pricing 6.1.8 Importance of pricing 6.1.9 Methods of pricing concept 5.1.10 Calculating kitchen profit 6.1.11 Variable cost 6.2.1 Semi variable cost 6.2.2 Fixed cost 6.2.3 Break even - point 6.2.4 Concept of contribution 6.2.5 Break - even - chart profit volume graph - p/v ration - calculations 6.2.6 Objectives 6.3.1 Prevention of cost 6.3.2 Establishing standards 6.3.3 Preventing waste 6.3.4

YEAR.

15 Hou

15 Hours

Reference Books:-

Budgeting, costing and controls, Ozi D'cunha & Gleson D'cunha, 2001, Dicky's enterprise

Budgeting, costing and controls, Ozi D'cunha & Gleson D'cunha, 2001, Dicky's enterprise

Food & Beverage Management, Sally Stone & Richard Kotas, 1998 & 1994

Accuracy in Food Costing and Purchasing, Francis T. Lynch, Amazon.com

Accuracy in Food, Beverage, and Labor Cost Controls, Paul R. Dittmer and J. Desmond Keefe,

amazon.com

Pattern of Question Paper:-First year B.Sc. Mcritime Hospitality Studies)

Theory

First Term (Duration	2 hrs.)	,		
Questions in		Maximum	Second Ter Questions in	m (Durat	ion 2 hrs.)
Examination Paper Q - 1	1, 2,3	Marks 1.5	Examination Paper		Maximum Marks
Q-2	1	15	Q-1	4,5,6	15
Q-3	2	15	Q-2	4	15
Q-4	3	15	Q-3 Q-4	5	15
	Total	60	Q-4	. 6	15
		o Ménastancia es in		Total	60

- Marks obtained at the end of each term test shall be converted to out of 40 to the next integer for final calculation.
- Question no. 1 should be of short answer type questions having six sub questions (2 from each unit)
 of 3 marks each. Total 5 questions are to be attempted).
- Question 2, 3 & 4 should be from topics mentioned in the table total 3 sub questions to be attempted of 5 marks each out of the choice of 4 sub questions.

FOOD SAFETY AND SANITATION

Contact Objectives:
This subject meets the basic competency standards required for Food Safety on board. This subject meets the basic competency standards required under a Food Safety on board. This subject meets the basic competency standards required under a Food Safety on board. The food safety legislation and their role and responsibilities under a Food Safety procedures and the basic competency standards required for Food Safety on board. The food safety legislation and their role and responsibilities under a Food Safety on board. The food safety legislation and their role and responsibilities under a Food Safety procedures are food safety procedures and the food safety procedures are food safety procedures. This subject meets the basic competency standards responsibilities under a Food Safety Program covers food safety legislation and their role and responsibilities under a Food Safety Program covers food safety legislation and thouledge required to implement food safety procedures and the basic skills and knowledge required to involved in food storage, prepared and the basic skills and knowledge required to involve in food storage, prepared and the basic skills and knowledge required to involve in food storage, prepared and the basic skills and knowledge required to involve in food storage, prepared and the basic skills and knowledge required to involve in food storage, prepared and the basic skills and knowledge required to involve in food storage, prepared and the basic skills and knowledge required to involve in food storage, prepared and the basic skills and knowledge required to involve in food storage, prepared and the basic skills and knowledge required to involve in food storage, prepared and the basic skills and knowledge required to involve in food storage, prepared and the basic skills and knowledge required to involve in food storage, prepared and the basic skills are storage. This subject meets the basic state and their role and responsion to a safety procedure overs food safety legislation and their role and responsion food safety procedures and the covers food safety legislation and knowledge required to implement food safety procedures and the cover the basic skills and knowledge required to implement food safety procedures and the cover the basic skills and knowledge required to implement food safety procedures and the cover the basic skills and knowledge required to implement food safety procedures and the cover the basic skills and knowledge required to implement food safety procedures and the cover the basic skills and knowledge required to implement food safety procedures and the cover the basic skills and knowledge required to implement food safety procedures and the cover the basic skills and knowledge required to implement food safety procedures and the cover the basic skills and knowledge required to implement food storage, preparation and the cover the basic skills and knowledge required to implement food storage, preparation and the cover the basic skills and knowledge required to implement food storage, preparation and the cover the basic skills and knowledge required to implement food safety procedures and the cover the basic skills and knowledge required to implement food safety procedures and the cover the basic skills are covered to the cover the This subject that the s cover the basic skills and salid learn about the risks involved in the preparation and to required records. Students will learn about the risks involved in the preparation and to require records. Students will learn about the risks involved in the preparation and the required records. Students will learn about the risks involved in the course in detail the reparation and the required records and transportation, with a detailed look at micro organism, containing and sanitation and the risks involved in the risks in the risks involved in the risks involved in the risks involved in the risks involved in the risks in the risks in the required records. Students required records. Students and transportation, with a defaulted loss and sanitation, contaminated displaying, service and transportation, with a defaulted loss and service displaying, service and the displaying, service and the reduce risk through personal types and sanitation, term adulteration. Learn how to reduce risk through personal types and sanitation, term adulteration. Learn how to reduce risk through personal types and sanitation, term adults and safe handling procedures. The course covers in detail.

| Control and safe handling procedures and USPH guidelines in detail.

UNIT 1 1.1.1 1.1.2 1.1.3 1.1.4	MICRO ORGANISMS & TEMPERATURE CONTROL Classification of microbes Factors favourable for growth of Micro Organisms Harmful Effects of Micro Organism Various food poisoning Source, Signs, Symptoms and Prevention	10 Hox
1.2 1.2.1 1.2.2 1.2.3 1.2.4 1.2.5 1.2.6 1.2.7	Safe Temperature Compliance with the temperature control regulations Good practice for effective control of food temperature Temperature measuring equipments Big Thaw – Safe Practices General Freezing requirements for Meat, Poultry Fish and Frozen Vegetables Rules for Rechauffe	
2.1 2.2 2.3 2.4 2.5	PEST CONTROL Onboard Legislations integrated Pest Management (IPM) Good Housekeeping Control Measures Pest Control Contractors	10 Hous
3.1.1 3.1.2 3.1.3 3.1.4 3.1.5 3.1.6 3.2	LEGAL REQUIREMENTS, GUIDE TO COMPLIANCE & ADVICE ON GOOD PRACTICE SHIPPING INDUSTRY CATERER (RULE OF HYGIENE ONBOARD) Care in Transporting Foods from Shore to Ships Food Waste (Garbage Management Plan (GMP)) Personal Hygiene Provisions applicable to food stuffs (Care in receiving, storing and handling) Dishwashing methods – manual and machine dish washing, merits and demer Protective display of food, hot and cold display counters GARBAGE MANAGEMENT ON BOARD (MARPOL 73/78)	10 Hous
UNIT 4 4.1 4.2	USPH (UNITED STATE PUBLIC HEALTH SERVICES) Food Law in United States (Brief History) Federal Regulatory Agencies FDA (Food & Drug Administration)	10 Hours

YEAR

Warks

Reference Books:-

Handbook of food & nutrition, M. Swaminathan, 1999, od microbiology, W. C. Frazier / D. D. Westhoff, 1991

ood hygiene & sanitation, S. Roday, 1991

Nutritive value of Indian foods, Gopalan, 1995, Jacob Michael, Delhi

Atrainee guide for managers of food service establishments, 1991, CBS Publishers & Distributors

Sale food handling, Stanley Thomas

The Prevention of food poisoning, Jill Trickett, 1992

Calering Management, an integrated approach, Sethi / Mohini, New Delhi, 1987, Wiley Eastern Ltd.

Industry Guide to Good Hygiene Practice: Catering Guide Ships, 2004, Chadwick House Group Ltd., 15,

Hatfields, London – SE1 8DJ.

YEAD

Pattern of Question Paper:-(First year B.Sc. Maritime Hospitality Studies)

-			Second Ter	m (Durat	ion 2 b
Theory First Term (Duration	2 hrs.) Maximum	Questions in Examination Paper	Units	Maximum Marks
Questions in	Units	Marks	Q-1	4,5,6	Marks
Examination Paper	1, 2,3	15	Q-2	4	15
Q-1	$\frac{1, 2, 0}{1}$	15	Q-3	5	15
Q-2		15	Q-4	6	15
Q-3	$\frac{2}{3}$	15	(7)	Total	60
Q-4	Total	60	The state of the s		1100
		term tes	st shall be converted	to out of	40 to the next in

- Marks obtained at the end of each term test shall be converted to out of 40 to the next inlegal final calculation.
- Question no. 1 should be of short answer type questions having six sub questions (2 from each of 3 marks each. Total 5 questions are to be attempted).
- Question 2, 3 & 4 should be from topics mentioned in the table total 3 sub questions to be attempted of 5 marks each out of the choice of 4 sub questions.

NVERSITY OF MUMBAI WARMON & FOOD SCIENCE

YEAR - I

Marks 80 Contact Hours 60

Weether develop basic awareness of the importance of nutrition and balanced diet. It will also it is in to the changes occurred in food during different cooking process and beautiful also its instances during cooking. supplied will develop an account of the importance of nutrition and balanced diet. It will also the changes occurred in food during different cooking process and how to reduce the change of the changes occurred in food during different cooking process and how to reduce of instances during cooking.

INTRODUCTION

Importance of Nutrition UNIT 1

10 Hours

Basic Nutrients 1.

Function of various Nutrients 1.2

Importance of water To the Human Body 13

Basic five food groups 1.4

Nutrients loss while storing or preparation of foods

Effect of cooking on various nutrients

Balanced diet 1.7

15

15

Basic for meal planning 1.8 10

COLLOIDAL CHEMISTRY

10 Hours

UNIT 2 Colloidal System - Types of Colloids in Food 21

(Food Eg. of Sol, Gel, Emulsion and foam, Emulsifying, Agents and their use in preparation of Emulsions

Browning reactions in Food – Causes, desirable and undesirable effects, with food 22 examples

FOOD ADDITIVES UNIT 3

10 Hours

Thickening, Stabilizing and emulsifying agents 3.1

FOOD ADULTERATIONS UNIT 4

10 Hours

Foods standards in India 41

4.2 Common food Adulterants present:-

> a) Milk b) Sugar c) Turmeric d) Chilly Powder d) Tea and Coffee

e) Semolina Flowers f) Ghee and Butter g) Margarine and Oil

UNIT 5 FOOD PRESERVATION AND STORAGE

10 Hours

5.1 Chemical

5.2 Irradiation

5.3 Low temperature – Refrigeration and Freezing

5.4 High Temperature – Pasteurization, Canning, de-hydration and smoking

Storage, Cold storage, temperature control, correct use of refrigeration, freezer for 55 storing food stocks, rotation and cooling UNIT 6.1

EVALUATION OF FOODS 6.1.1

10 Hours

Objectives 61.2

Sensory assessment of Food Quality

Methods

613

introduction to proximate analysis of food constituents

- PLAVOURS

 Definition of Flavour, Influence of Chemical, Constituents and other factors on flavour intensifier

 Definition of Flavour, Influence of Chemical, Constituents and other factors on flavour intensifier

 Definition of Flavour intensifier Definition of Flavour, Influence of Chernal and synthetic flavour intensifier

 Types of flavors, flavoring extracts, natural and synthetic flavour intensifier 6.2
- Control of flavour in cooking process of Food 6.2.1
- 6.2.2 6.2.3

1. Handbook of food & nutrition, M. Swaminathan, 1999,

1. Handbook of food & nutrition, 1913.
2. Nutritive value of Indian foods, Gopalan, 1995
3. Catering Management, an integrated approach, Sethi / Mohini, New Delhi, 1987, Wiley Eastern Guide Ships, 2004, Chadwick House Grounds to Good Hygiene Practice: Catering Guide Ships, 2004, Chadwick House Grounds to Good Hygiene Practice: 2. Nutritive value of Indian toods, or an integrated approach, self in the Nutritive value of Indian toods, or an integrated approach, self in the Nutritive value of Indian toods, or an integrated approach, self in the Nutritive value of Indian toods, or an integrated approach, self in the Nutritive value of Indian toods, or an integrated approach, self in the Nutritive value of Indian toods, or an integrated approach, self in the Nutritive value of Indian toods, or an integrated approach, self in the Nutritive value of Indian toods, or an integrated approach, self in the Nutritive value of Indian toods, or an integrated approach, self in the Nutritive value of Indian toods, or an integrated approach, self in the Nutritive value of Indian toods, or an integrated approach, self in the Nutritive value of Indian toods, or an integrated approach, self in the Nutritive value of Indian toods, or an integrated approach, self in the Nutritive value of Indian toods, or an integrated approach, self in the Nutritive value of Indian toods, or an integrated approach, self in the Nutritive value of Indian toods, or an integrated approach, self in the Nutritive value of Indian toods, or an integrated approach, self in the Nutritive value of Indian toods, or an integrated approach, self in the Nutritive value of Indian toods, or an integrated approach, self in the Nutritive value of Indian toods, or an integrated approach, self in the Nutritive value of Indian toods, or an integrated approach appr

15, Hatfields, London – SE1 8DJ.

Pattern of Question Paper:-

(First year B.Sc. Maritime Hospitality Studies)

Theory			Second Ter	m (Dura	tion 2 hrs.j
First Term	Duration	2 hrs.) Maximum	Questions in	Units	Maximum Marks
Questions in	Units	Marks	Examination Paper	4,5,6	15
Examination Paper	1, 2,3	15	Q - 2	4	15
Q-1 Q-2	1	15	Q-3	6	15
Q-3	$\frac{2}{3}$	15	Q-4	Total	60
Q - 4	Total	60	Land be converted	to out of	40 to the next inte

- Marks obtained at the end of each term test shall be converted to out of 40 to the next integer in final calculation.
- Question no. 1 should be of short answer type questions having six sub questions (2 from each with a standard) of 3 marks each. Total 5 questions are to be attempted).
- Question 2, 3 & 4 should be from topics mentioned in the table total 3 sub questions to be attempted of 5 marks each out of the choice of 4 sub questions.

UNIVERSITY OF MUMBAI COMMUNICATION SKILLS - ENGLISH & FRENCH (UNIT - I & UNIT II)

80 Marks Contact Hours 60

students with the process of communication so that they can identify conditions introduce offective communication and to teach them basic and applied languages to an identify conditions to characteristics as well as communication and to teach them basic and applied languages to the characteristics as well as communication and to teach them basic and applied languages to the characteristics as well as communication as that they can identify conditions to the characteristics and applied languages to the characteristics and applied languages to the characteristics as well as communication and to teach them basic and applied languages to the characteristics as well as communication and to teach them basic and applied languages. objectives:introduce students as well as communication, with a particular emphasis as useful for safuly of technical subjects as well as communication, with a particular emphasis as useful for safuly of technical subjects as well as communication, with a particular emphasis as useful for safuly of technical subjects as well as communication, with a particular emphasis as useful for safuly of technical subjects as well as communication, with a particular emphasis as useful for safuly of technical subjects as well as communication, with a particular emphasis as useful for safuly of technical subjects as well as communication, with a particular emphasis as useful for safuly of technical subjects as well as communication, with a particular emphasis as useful for saful subjects as well as communication, with a particular emphasis as useful for saful subjects as well as communication, with a particular emphasis as useful for saful subjects as well as communication, with a particular emphasis as useful for saful subjects as well as communication. 10 "Table to emount and to teach them basic and applied language skills useful for layoutable of technical subjects as well as communication, with a particular emphasis on writing and oral skills, which are capabilities needed for professional careers and beginning and oral mentation. the study of recurrence which are capabilities needed for professional careers and basic knowledge of presentation language used in hospitality industry and common French words used in Feed to Feed the station skills, and or the station skills, and the skills, and the station skills, and the station skills, and the station skills, and the skills, operation.

PART I - ENGLISH COMMUNICATION PROCESS

10 Hours

- UNIT 1 Concept of Communication – An introduction
- 1.1 Elements of Communication
- 1.1.1 Sender, Receiver, Message, Medium, Encoding, Decoding and Feedback
- Importance of Effective Communication (In every Field) 1.1.2
- CHANNELS OF COMMUNICATIONS
- 1.2 Internal and External Communications, Formal and Informal Channels 1.2.1
 - Formal Channels of Communication (Horizontal, Vertical, Upward and Downward
- Communications 1.2.2
- Informal Channel of Communications Grapevine 1.2.3
- NON-VERBAL AND VISUAL COMMUNICATIONS 1.3
- Definition of Non Verbal Communication 1.3.1
- Types of Non-Verbal Communications 1.3.2
 - > Facial Expression, Gestures, Body language, Kinesis, Phonemics and Physical appearance
- Visual communication 1.3.3
 - > Signs, Signals, Graphs, Charts, Maps, Color and Posters.
- BARRIERS OF COMMUNICATION 1.4
- Types of Barriers Their Types 1.4.1

Physical, Mechanical, Semantic, Cultural, Psychological

Ways of overcoming barriers of communication 1.4.2

LANGUAGE IN LETTER WRITING UNIT 2

- Principles of Official Letter writing, commercial jargon, correct spelling, correct word order and FOUR 'C's of Commercial Correspondence 2.1
- 2.2 Parts of letter
- 2.3 **LETTERS**
 - Job Application Letter, Bio Data, Resume
 - > Inquiring Letter (For rooms), reply to enquiry letters
 - Order Letter and quotation letter
 - Claim and Adjustment
 - Credit and Collection Letter
 - Sales letter and circular
 - Notice and Memorandum
- 2.4 REPORT WRITING

Structure of Report: Individual and Committee (Short and Long Report) Types of Report: Investigative, Progressive and feasibility report

2.5	COMPREHENSION AND PRECISE Comprehension Passages related to specific fields
	Precise writing and summarization
UNIT 3	ORAL COMMUNICATION
3.1	Spoken or conversational English (stress on telephone conversation) Dialogue writing for specific occasions
3.2	Dialogue writing for specific occasions
3.3	International Phonelic script
3.4	International Phonelic script Presenting oral messages in the form of debates, group discussions, individual presentations, preparing for interviews, role plays
PART II - FR	
UNIT 4	FRENCH VOCABULARY AND GRAMMAR
4.1	Words & verbs often used in the hotel / cruise liners
4.2	Words & verbs often used in the hotel / cruise liners Conjugation of French verbs & translation into the various tenses (past, presentences into negative / singular & plural form
4.3	Transforming sentences into negative / singular & plural form
4.4	Formation of sentences into French
UNIT 5	CONVERSATIONAL FRENCH
5.1	Basic French conversational sentences with Friends & guest
5.2	Modes of introduction with friends & guests
5.3	Knowledge of time, seasons, months, days, Numbers & currency
5.4	Conversation with regards to interaction with Guest in various areas such as restaurant, Bar, House keeping & Kitchen
6 TINU	FRENCH KITCHEN, RESTAURANT, FRONT OFFICE & BAR TERMINOLOGY
6.1	Knowledge of the kitchen brigade & kitchen Equipments
6.2	Ingredients, meats, vegetables, fruits, fish, herbs & spices
6.3	Culinary terms in French
6.4	French Cheese
6.5	Knowledge of the restaurant brigade
6.6	Equipments used the restaurant
6.7	French Classical menu up to 13 courses
8.8	Menu translation from French to English & vice-versa
6.9	Knowledge of principle ingredients used in classical French dishes
6.10	How to read & translate a recipe from French to English
6.11	French terminology required in handling Guest check in & Check out
6.12	How to read & write passport details in French

Reference Books:-

- 1. A Votre Service, Biswajit Dey, Alliance Frachise, Delhi
- 2. French for Hotel Management and Tourism Industry, S Bhattacharyya, Frank Brothers on Strench for Catalana Stratage and Tourism Industry, S Bhattacharyya, Frank Brothers on Stratage and Tourism Industry, S Bhattacharyya, Frank Brothers on Stratage and Stratage an
- 3. French for Caterings Students, John Grishbrook, Hodder and Stoughton
- 4. 101 ways to better communication, Elizabeth Hierney, 1st Edition, 2001, Kogan Page
- 5. Organizational Behavior, Fred Luthans, Sixth, 1992, McGraw Hill
- 6. How to Assert Yourself, Listen to Others, and Resolve Conflicts, Robert Bolton



UNIVERSITY OF MUMBAI skills, Leena, Sen; Publisher: Prentice Hall of India

communication Skills, Frank Brothers and Company LTD

communication Skills (For the University of Lt.)

Skills, Frank Brothers and Company LTD

Communication Skills (For the University of Mumbai)

Communication Skills (Revised And Top Mumbai) Communication Skills (For the University of Mumbai), by Srinivas; Publisher: Tata Magraw Hill to Communication Skills (Revised And Enlarged), Dr. P Prasad, Edition: Publisher: Tota Magraw Hill (1990) Communication skills (Revised And Enlarged), Dr. P Prasad, Edition: , Publisher: Tata Mcgraw Hill Communication skills (Revised And Enlarged), Dr. P Prasad, Edition: , Publisher: S.K. Kataria & Sons Communication Process in Organizations, Rawat Publisher:

Published: 2000) Published: 2000/ Published: 2000/ Published: 2000/ Process in Organizations, Rawat Publications Communication Process in Organizations, D.S. Dahiva Banana Communication Process in Organizations, Rawat Publications

Leading Process in Organizations, D.S. Dahiya, Rawat Publications

of Question Paper:-Men of Sc. Maritime Hospitality Studies)

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First Term (Duration	2 hrs.)	\$000			
Questions in Question Paper	Unite	Maximum Marks	Second Term (Duration 2 hrs.) Questions in Examination Paper Units Maximum Ma			
Examination	1, 2,3	15	-xamination Paper		Maximon Marks	
0-1	20 d 100	15	0.0	4,5,6	15	
Q-2	2	15	Q-2	4	15	
Q-3	3	15	Q-3	5	15	
Q-4	Total	60	Q-4	, 6	15	
	Total	60		Total	60	

Marks obtained at the end of each term test shall be converted to out of 40 to the next integer for final calculation.

Question no. 1 should be of short answer type questions having six sub questions (2 from each unit) of 3 marks each. Total 5 questions are to be attempted).

Question 2, 3 & 4 should be from topics mentioned in the table total 3 sub questions to be attempted of 5 marks each out of the choice of 4 sub questions.

TEACHING AND EXAMINATION SCHEME FOR DEGREE COURSE. COURSE NAME : B.Sc. MARITIME HOSPITALITY STUDIES

DURATION OF COURSE : THREE YEAR

YEAR: SECOND YEAR

FULL TIME / PART TIME: FULL TIME

SR. NO.	CORE SUBJECT	TEACHING SCHEME		EXAMII MA
		тн	PR	MA
1	Maritime Studies – Paper II (Maritime Communication)	90	60	THEORY
2	Food Production – Paper II	60	210	80
3	Food &Beverages – Paper II (Advance F&B Services)	60	60	80
4	Accommodation and Facility Management – Paper II (Facility Management)	60	60	80
5	Cost and Financial Management - Paper II (Accounting)	60	9 6 3	80
	ALLIED SUBJECT	e dolor	1921-19 mg 2	
6	Bakery & Confectionary	60	90	50
7	Entrepreneurship Skills	60		50
8	Soft Skills	60	-	50
9	Information Technology Applications		60	-
	Total	510	540	550

INSTITUTIONS HOURS PER WEEK: 35HRS

Marks (Total) - 900

YEAR - II

SECOND YEAR BACHELORS DEGREE IN MARITIME HOSPITALITY STUDIES

candidate eligible for admission to the second year examination in maritime hospitality studies A candidate and control of the second year examination in marishall produce testimonials of having kept one year in the college / institute.

Signature and has passed the first year examination and has satisfactorily completed the course will be eligible for admission in second year.

51 Candidates shall have an option to appear in the subjects of year simultaneously with subjects of year two examination either:-

year of their having obtained less that 40% marks in Theory paper and 45% of the full marks in signal work. sessional work.

In view of their failure to appear for first year examination for any reason deemed satisfactory by the head of the Institution.

candidate who has appeared simultaneously or failed to pass first year examination in Maritime A consider will not be declared to have passed second year unless the candidate passes first pospitally stream such candidate shall however be not allowed to keep term for third year

The following are the syllabi in various subjects of second year in Maritime Hospitality Studies.

SE UNIVERSITY OF MUMBAL MARITIME STUDIES - PAPER II . (MARITIME COMMUNICATION) Objective:This subject imparts working of Global Maritime Distress Safety System. It also general for the subject imparts working of Global Maritime Distress Safety System. It also general for the subject imparts working of Global Maritime Distress Safety System. It also general for the subject imparts working of Global Maritime Distress Safety System. It also general for the subject imparts working of Global Maritime Distress Safety System. It also general for the subject imparts working of Global Maritime Distress Safety System. It also general for the subject imparts working of Global Maritime Distress Safety System. It also general for the subject imparts working of Global Maritime Distress Safety System. It also general for the subject imparts working the subject imparts with the subje STANDARD MAKINE COMMUNICATION PHRASES (SMCP) 1.1 Distress 1.2 Person overboard 1.3 Medical Assistance 1.4 Urgency 1,5 Safety Communication 1.6 Environmental Protection i.7. Communication with emergency services 1.8 Search and Rescue 1.9 Helicopter Operation 1.10Damage Control UNIT 2 CROWD MANAGEMENT 15 Hours 2.1 Life saving appliances & control plans Os ing 2.2 Assist passengers en route to assembly and embarkation stations 2.3 Mustering procedures 2.4 Communication in case of emergency . 2.5 Instructions for passenger assembly personnel 2.6 Abandon ship procedure CRISIS MANAGEMENT & HUMAN BEHAVIOR TRAINING UNIT 3 15 Hours Of For 3.1 Familiarization with ships design, layout, emergency plans, procedures and drills 3.2 Optimization of resources 3.3 Reaction to alarm 3.4 A pre planned drill 3.5 Control response to emergencies 3.6 Human behaviour and responses 3.7 Establish and maintain effective communications 3.8 Practical exercises 4.1' INTRODUCTION TO GMDSS UNIT 4 15 Hours 10 Hous

- 4.1.1 Background and purpose of the GMDSS
- 4.1.2 GMDSS Sea Areas A1, A2, A3, A4
- 4.1.3 Purpose of Distress and Safety frequencies
- 4.1.4 9 functional requirements of GMDSS equipment
- 4.1.5 Equipment carriage requirements
- 4.1.6 Methods to ensure availability of ship station Equipment
- 4.1.7 Sources of energy
- 4.1.8 Battery supply capacity

1	VERSITY OF MUMBAI 12 PRINCIPLES OF MARITIME RADIO COMMUNICATIONS 13 PRINCIPLES OF MARITIME RADIO COMMUNICATIONS		
	POSITY OF WIGHTS		YEAR - II
1/1	PRINCIPLES OF MARITIME RADIO COMMUNICATIONS 4.2 Administrative provisions for stations		
U	4.2.1 Administrative provisions for stations		
	4.2.1 Administrative provisions for stations 4.2.1 Principles and basic features of the maritime mobile 4.2.2 Service		
N.	12.2		
	repection and Survey requirements		
	4.2.3 Identities of different types of stations		
	4.2.4 Order of priority of communications in the maritime		
	4.2.5 Different types of communications Maritime Mobile frequency bands and frequency		
	attacent types of modulation and also		
	4.2.8 Different types of moderation and classes of emission		
	e i sinles and basic features of the event		
	4.4.		
	5.1 GMDSS-COMMUNICATIONS SYSTEMS	15 Hours	20 Hours
UNIT 5	5.1 Purpose and use of Digital Selective Calling (DSC)	10 110015	20 110010
VI	Facilities .		
	5.1.2 General principles of narrow Band Direct Printing		
	(NBDP)		
	5.1.3 Communication in the Maritime Mobile Satellite		
17	Service		
	5.1.4 Maritime Terrestrial Communications 5.1.4 Maritime Terrestrial Communications		
	5.1.5 Communications using Survival Craft / Portable		
	Equipment 5.1.6 Maritime Safety Information Services		
	a maintenance and safety precautions		
	SADIS COMMINICATIONS		
	5.2.1 Terrestrial SOLAS procedures		
	so I amore at SOLAS procedures		
	and Poscue procedures, IAMISAN		
	5.2.4 Avoidance of False Alerts and cancellation		
		15 Hours	18 Hours
UNIT 6	A 1 OPERATIONAL PROCEDURES FOR GENERAL		
0,111			
	6.1.1 Use of English language to exchange		
	communications 6.1.2 Use of IMO Standard Marine Communication		
	6.1.2 Use of IMO Standard Manager		
	phrases 6.1.3 Use of International Phonetic Alphabets 6.1.4 Use of International Phonetic Alphabets		
	6.1.3 Use of International Phonetic Alphabets 6.1.4 Use of obligatory documents and publications 6.1.4 Use of obligatory documents and publications		
	6.1.4 Use of obligatory documents and the following state of the maritime mobile of the maritime mobile maritimes relating to the maritime maritimes ages		
	6.1.4 Use of Obligations and Tolor of Color of C		
	6.1.5 Procedure for the maritime mobile 6.1.6 Regulations relating to the maritime mobile 6.1.7 Procedures for telephone calls, e-mail messages 6.1.7 Procedures for telephone calls, e-mail messages		
	6.1.7 Procedures for telephones and Routine communications		
	and Room.		
	6.2 MISCELLANEOUS SKILLS 6.2.1 Basic electricity and electronics wrt equipment 6.2.1 Basic electricity and electronics wrt equipment		
	6.2.1 Basic electricity and electronic de Critical		
	checks and hugen Murana		
	to a polationally of		
	frequency frequency frequency frequency		
	6.2.2 Relationship between frequency frequency Operation of optional features in equipment operation of other manufacturers		60 Hours
	101 Transfeldom	90 Hours	90 110013
	equipment		
	. 44 -		

Pattern of Question Paper:-(Second year B.Sc. Maritime Hospitality Studies)

Theory

Ineory		21.41	Second Ter	m (D.
First Term	(Duration	Maximum	Questions in	m (Duration 2 hrs.)
Questions In	Units	Marks	Examination Paper	Units A
Examination Paper		15	Q-1	4,5,6 Maximum
Q-1	1, 2,3	15	Q - 2	4.5.6 Maximum Max
Q-2	1	15	Q-3	5 15
Q-3	2	15	Q-4	6
Q-4	3	60	The same of the sa	Total
	Total		. 表数分别的, 数据的现在分	13/
				60

- Marks obtained at the end of each term test shall be converted to out of 40 to the next final calculation.
- Question no. 1 should be of short answer type questions having six sub questions (2 from to grant a grant and grant answer).
- Question 2, 3 & 4 should be from topics mentioned in the table total 3 sub questions.

Conduct of Practical Examination

Maximum Marks 60

A candidate shall be assessed on the basis of his ability to use the equipments / tools and per the instructions and via voce of examiners during examination

Scheme of marking shall be

Sr. No.	Topic	Maximum Marks
1.	GMDSS	20
2.	Crowd Management	10
3.	Crisis Management & Human behaviour training	10
4.	Journal	10
5.	Viva-voce	10

OF MUMBAI ANDO PRODUCTION - PAPER II

80 Marks Contact Hours 60

of development of advance skills in Chacuterie and Multinational Cuisne and subject focuses on actions. This will help the students in acquiring basic knowledge of store and subject from seafaring management, layout and designing of kitches focuses on development of advance skills in Chacuterie and Multinational Cuisne and seafaring nations. This will help the students in acquiring basic knowledge of store citchen management, layout and designing of kitchen and kitchen stewarding.

nd product	RAW MATERIAL MANAGEMENT	disconsisting.	
no P	RAW MATERIAL MANAGEMENT	Test Company of the c	IC Hours
UNIT 1	Menus & Recipes Recipe balancing	The state of the s	
1.1	On using a recipe conversion factor (RCF) to	200 55 55 55 55	
1.1.1	On using a recipes effectively Using recipes effectively	convert recipe sizes	
1.1.2	Using recipes are all all	Therob to senior of dorent	
1.1.3	Raw Material Management Onboard Ships		
1.2	Principles of Indenting	Title a tahoug bay no saut	
1.2.1	Special concerns and care required while in	denting appeard thins	
1.2.2	Quantities and portions for bulk productions	derning onbodid ships	
1.2.3	Qualitities are leave to a series and bread and its		
	STOCKS, SAUCES AND SOUPS	nothabilitation and seed	10 Hours
_{UNIT} 2	Different Kinds of Stocks		
2.1.1	White Stocks	Brown Stock	
	White Beef Stock	Estouffade	
	White mutton stock	Brown mutton stock	
	White Veal Stock	Brown Veal Stock	
	White Chicken Stock	Brown Game Stock	
	Fish Stock	The state of the s	
	Preparation of Stocks		
2.1.2	Sauces & Glazes		
2.2	Importance of Sauces		
2.2.1	Preparation of Basic Mother Sauces		
2.2.2	a) Béchamel		
	b) Veloute		
	c) Espagnole		
	d) Hollandaise		
	e) Tomato		
	f) Mayonnaise	squdwlches squ	
2.2.3	Common derivatives of Basic Mother San	bread ond Sproads la.	
2.3	Soups	· pallud balov: if priscul	
2.3.1	Classification of Soups Preparation of clear soups, consommé,	its garnishes and accompanime	ents egg
2.3.2	Preparation of clear soups, consorting,	- part same	
2.3.3	Specialty Soups		
2.3.4	Garnish and Service of Soups		
		eastable Cookery	: O U 4
UNIT 3	NOT VEGETARIAN COOKERY		
3.1	Meat Fabrication and Charcuterie Meatermining dor	1 files of the part of the second second	
3.1.1	Meat Fabrication and Charcuterie General guidelines for determining dor	neness in meats	
	General guidelines to	athogs of Cooling.	
3.1.2	Trimming a tender loin	colding of coulding an Yugaloola	

3.1.3	Cutting and pounding cutlets
3.1.4	Fabricating a under cut
3.1.5	Shredding and Mincing meats
3.1.6	Working with variety organ meats
3.1.7	Carving techniques
3.1.8	Introduction to'Charcuterie
3.1.9	Charcuterie Products
3.1.10	Meat and Non meat ingredients
3.1.11	Curing, drying and smoking sausages, ham and bacon
3.1.12	Other specially processed and cured meats
3.2	Fabrication of Poultry
3.2.1	General Guidelines for determining doneness in poultry
3.2.2	- Trussing Poultry
3.2.3	Halving and Quartering Poultry
3.3	Fabrication of Fish
3.3.1	General guidelines for determining doneness in Fish
3.3.2	Scaling and trimming fish
3.3.3	Shell Fish Fabrication
	Working with live lobster
	Cooking Lobster
	➤ Shrimp
	Cleaning a Crab
	Cleaning and opening oysters
	Cleaning octopus and squid
UNIT 4	SALAD & VEGETABLE COOKING
4.1	Introduction to Salad
4.1.1	Composition of a Salad
4.1.2	Types of Salad
2	> Fasta Salads
	modification poolity saidus
	5 000 1 0003 301003
	, mon salad
4.1.3	Salad dressing, proper dressing amount, handling and storage SANDWICHES
4.2	Sandwiches
4.2.1	Bread and Spreads for
4.2.2	Making flavored butters
4.2.3	Fillings
4.2.4	Garnishes
4.2.5	
4.2.6	Presentation Styles
4.3	Guidelines on sandwich making
	Vegetable Cookery
4.3.1	Classification of Vegetables
4.32	Selection of Vegetables
4.3.3	Methods of Cooking
4.3.4	Effect of Cooking on Vagetables

UNIVERSITY OF M	UMBAI	
WIVERS!		
	NIMENTS & GARNISHES	
UNIT 5 Food and 11	heir usual accompaniments and its importance	YEAR - II
51 Garristies	Presentation	
	Presentation	10 Hours
	le Garnish	
5.4 Modern Plan 5.5		
EARINACEO	US COOKERY	
I will b introduction	to farinaceous coal	
61 selection an	a preparation of increase	
How to make	o most pasta and poodles	10 Hours
Fresh egg po	BIG	
64 Pairing pasto	a with sauces	
6.5 Serving fresh	and dried pasta	
6.6 Special items	s incorporated in farinaceous cookery	
6.7	cookery cookery	
FOOD PRODUCTION - II (PR	(ACTICAL)	
, pos		Marks 80
ACTIVITY 1	MEAT FABRICATION	
долич	a) Trimming a Tenderloin	
	D) Culling Bone in Cha	
	C) miniming a strip loin and	
	d) Trimming and boning Pork Loin/ Leg of Lamb e) Working with liver Kidneye Survey By	
	e) Working with liver, Kidneys, Sweetbread and tongue f) Practice tying a roast meat	
	f) Practice tying a roast meat	
ACTIVITY 2	POULTRY FABRICATION	
	a) Trussing Poultry, Poultry cuts	
1.0711.4714.0		
ACTIVITY 3	FISH FABRICATION	
	a) Cleaning lobster, crayfish, crab, oysters, clams and me	ussels
	b) Cleaning octopus and Squid	
ACTIVITY 4	VEGETABLE CARVING	
	TO THE PARTY OF TH	
ACTIVITY 5	FRUIT CARVING	
1 0		
ACTIVITY 6	ICE CARVING	
ACTIVITY 7		
7.011VII 7	CHINESE	
	a) Veg. Spring Roll	
	b) Sweet Corn Soup	
	c) Chilly Chicken	
	d) Stir Fry Vegetable e) Hakka Noodle	
	f) Szechwan Fried Rice	
	g) Date Pan Cake	
	3/ 2010 1 211	

MIVERSIT		
ACTIVITY 8	FRENCH a) Barquettes-de-volaille b) Consommé ala-juillien c) Cote-de-porc Ala-charcutiere d) Pommes Duchess e) A'borigine Ala-provencale	
ACTIVITY 9	a) Minestrone Ale Milanese b) Insalata-de-peproni arrostiti c) Pollo Alla-cacciatora d) Lasagne Al-forno Con Funghi Pomodor e) Risotto Con Funghi f) Mele Al-forno	Alain idha i Sa
ACTIVITY 10	MEXICAN a) Taco Salad b) Sopa D'azo c) Skewered Camarones d) Potato Donpepe e) Chilli Corn Carne f) Mexican Banana Cake	
ACTIVITY 11	indian a) Jomato Shorba b) Goan Fish Curry c) Chicken Chettined d) Vegetable Jalfrezi e) Baigan Bharta f) Veg. Pulao g) Malabari Paratha	
ACTIVITY 12	CARRIBEAN a) Nakita (Garden Egg soup) b) Kenon with gravy c) Abolo d) Cereole Rice	
DAY- TO-DAY CUISI ACTIVITY 13		
	Cim-	

CHINESE 2

- a) Hot and sour soup
- b) Shredded Beef with Tangerine c) Spicy bean curd d) Steamed Rice
- e) Honey Tossed Noodle

- d) Nasi Goreng
- e) Pancake Pisang

ACTIVITY 19

KOREA

- a) Kimchi
- b) Daikon Soup
- c) Korean Hot Pot

- 50 -

- Namul d)
- Kim Rice e)

YEAR - II

ACTIVITY 20

MIDDLE EAST

- a) Hammous al Tahira
- b) Al Sayyard Pot
- c) Lahm Dani
- d): Spinach Fatayer

ACTIVITY 21

NORWEGIAN

- a) Spring Soup
- b) Visch Koekjes (Fish)
- c) | Alesondigas (Meat)

ACTIVITY 22

PHILIPINO 1

- a) Rumaki
- b) Bachoy
- c) Adobo

PHILIPINO 2

- a) Arroz Caldo
- b) Chicken Adobo with Pineapple

ACTIVITY 23

BULGARIA 1

- a) Shopska Salad
- b) Tarator Soup
- c) Stewed Leg of Mutton
- d) Gyuvech Zarzavat
- e) Round Bread Loaf with Cheese

Reference Books:-

- 1. Modern Cookery for Teaching and Trade, Thangam E. Philip, 4th Vol., 1996, Orient Longman Ltd.
- 2. Theory of Cookery, Krishna Arora, 2nd, 1992, Frank Bros & Co. Ltd., 4675, Darya Ganj, New Delhi-1
- 3. Basic Bakery, J. C. Dubey, 1st, 1992, G. N. Danri, G. D. Enterprise, B/13, 1st Floor, 389/91, JSS Road
- 4. Understanding Cooking, Lundburge & Kotschevar, Wayne Gisselen
- 5. Professional Cooking, 4th, 1992, John Weily & Sons 605, 3rd Avenue, N. Y.
- 6. Professional Baking, Wayne Gisselen, 2nd, 199, John Weily & Sons 605, 3rd Avenue, N. Y.
- 7. Theory of Catering, Kinton Ceserani, 7th, 1996, Hodder & Stoughton Educational, 338, Euston Road
- 8. Food Commodities, Bernard Davis, 4th, 1998, William Heinmen Ltd. 15, Queens Street, May Fair,
- 9. Basic Cookery The Process Approach, Daniel R. Stevenson, 5th, 1997 Stanley Thomes Ltd., Old Station Drive, England.
- 10. Basic Cookery The Process Approach, Daniel R. Stevenson, 5th, 1997,
- 11. Kitchen a float galley management & meal preparation, Joy Smith, 2002, Warsash Nautical Books Dibles Road, Warsash, Sonthampton 5031, 9 H2, UK

^{*}NOTE: there will be continuous assessment of skills being acquired through class work, practical & periodic assignments / project works / tests / orals etc.

^{*}At least 18 experiments to be undertaken by each student

^{*}Laboratory journal to be submitted at the end of each term for assessment

YEAK - II

Cruising Cuisine, Kay Pastorius, 1997, Warsash Nautical Books 6, Dibles Road, Warsash, Sonthampton

12 5031. 9 H2, UK

13 5031. 9 Feeding of sailing crew, Lin Pardey with

12 5031. 9 H2, UN 5031. 9 H2, UN 5031. 9 H2, UN Feeding of sailing crew, Lin Pardey with Larry Pardey, 1995, Warsash Nautical Books 6, The care Road, Warsash, Sonthampton 5031, 9 H2, UK 13 nibles Road, Warsash American Culinary Institute. The care a lower with I cardey with I pibles Road, Warsash, Sonthampton 5031, 9 H2, UK Dibles Road Chef, American Culinary Institutional Chef, American Chef, American Chef, Che 13. The Road, Walson, Diolinary Institute, 1996, John liley & sons, New York.

14. Professional Chef, American Culinary Institute, 1996, John liley & sons, New York.

15. Professional Chef, American Culinary Institute, 1996, John liley & sons, New York.

professional Citer, Krishna Arora, 1988, New Delhi, Frank Bros. & Co. The Art & Science of Culinary Preparation, Jerald W. Chessas Co. Theory of Council, New Preparation, Jerald W. Chesser, 2003, Education Institute of American of Culinary Preparation. Culinary Federation.

pattern of Question Paper:rattern of an B.Sc. Maritime Hospitality Studies)

Theory

First Term (Duration	2 hrs.)	Second Terr	n (Durati	on 2 hrs.)
dions in	Units	Maximum Marks	Questions in Examination Paper	Units	Maximum Marks
Questions Raper	1, 2,3	15	Q-1	4,5,6	15
0.2	1	15	Q-2	4	15
0.3	2	15	Q-3	5	15
Q-3	3	15	Q - 4	6	15
W-4-	Total	. 60		Total	60

- Marks obtained at the end of each term test shall be converted to out of 40 to the next integer for final calculation.
- Question no. 1 should be of short answer type questions having six sub questions (2 from each unit) of 3 marks each. Total 5 questions are to be attempted).
- Question 2, 3 & 4 should be from topics mentioned in the table total 3 sub questions to be altempted of 5 marks each out of the choice of 4 sub questions.

Conduct of Practical Examination

Maximum Marks 80

- Candidate will be given a menu comprising of 4 dishes.
- Indent sheet and plan of work sheet to be filled by the candidate of the menu he gets.
- He / she supposed to collect indents, prepare and present the dishes in the menu within stipulated
- Cleaning and securing equipments and working area is also to be done within stipulated time.

Assessment will be done as follows –

Journal	Indent Sheet & plan of work	Colours	Consistency	Taste	Texture	Viva-voce	Personal Grooming, Cleaning & Securing
10	10	10	~ bel 10	10	10	10	10

FOOD & BEVERAGES - PAPER II (ADVANCE F&B SERVICE)

Objective

This subject deals with the classification, history, manufacturing process and proper service to the subject deals with the classification, history, manufacturing process and proper service to the subject deals with the classification, history, manufacturing process and proper service to the subject deals with the classification, history, manufacturing process and proper service to the subject deals with the classification, history, manufacturing process and proper service to the subject deals with the classification, history, manufacturing process and proper service to the subject deals with the classification, history, manufacturing process and proper service to the subject deals with the classification, history, manufacturing process and proper service to the subject deals with the classification, history, manufacturing process and proper service to the subject deals with the classification, history, manufacturing process and proper service to the subject deals with the classification, history, manufacturing process and proper service to the subject deals with the classification, history, manufacturing process and proper service to the subject deals with the classification of the subject deals with the

					31
UNIT 1	ALCOHOLIC BE	VERAGES		ACT ACT	
1.1			of wines in gener	al	10,
1.1.1	Wines, definitio	n, flowchart, making	g 01 11	~*.	Y
1.1.2	Types of wines,	Classification	nes		
1.1.3	Service of white	e, red & sparkling wi	(Prograitaty's		
1.1.4	Matching wine	s with tood	with labels		
1.1.5	French wines a	nd popular brands v	///// / / / / / / / / / / / / / / / /		10
1.2	Spirits		till and patent still r	nethods	
1.2.1	Brief description	about spirits, pot s	illi di la paroni sili i	ricirióa?	7
1.2.2	Whisky				
1.2.3	Rum				
1.2.4	Vodka				
1.2.5	Brandy -				
1.2.6	Gin	A CONTRACTOR	Contract Comments of the Comme		
1.2.7	Brand names -	Indian & Internatior	nai		
1.3	Beer				
1.3.1	Making of beer		h 'ship' a postabilita		a.
1.3.2	Types of beer				
1.3.3	Service of beer	& trade names			10
1.4	Liqueurs And Ap	peritifs	gevorm and roses.		(A) (C)
1.4.1	Charts of name	s of Liqueurs, base f	lavour / colour, Co	ountry of origin	
1.4.2	Basic knowledg	e of Liqueurs & ape	ritifs service		
1.4.3	Famous brands	of Liqueurs & aperit	rifs		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
1.5	Cocktails And A	Nocktails .			1
1.5.1	Definition & intro	oduction			
1.5.2	Methods & rules	of cocktail making	PART OF THE REAL PROPERTY.		
1.5.3	Recipes of ten p	opular cocktails		Differ of the control	
1.5.4	* *	opular nock tails			Shi I
		- 1			10 Fax
UNIT 2	GLOSSARY OF A	LCOHOL BEVERAGE	TERMS		167
	Alcohol	Grist	Congeners	Fortified	Perry Must
	Bodegas	Bonne Chouffe	Wort	Bagasse	Vintage
	Cellar	Appellation	Mead	Alembic	Sulphuring
	Corky	controlee	Mulled wines	charantaise Cider	Crust
	Edelfaule Estufa	Bouquet	Cordials	Cider Pulque	Body
	Filtering	Chaptalisation Cremant	Bloom	Brouillis	Maderizon
	Frappe	Eiswein	Cask Claret	Digestifs	Mistelle
		23440111	Cididi	Digosiiis	1382

Morks

Seminar

Exhibition

Trade fair

Wedding

fashion shows

Out door catering

125

126

127

12.8

129

- Space area requirement 4.2.10 Table plans / arrangement 4.2.11
- Mise-en-place 4.2.12
- Service 4.2.13
- Toasting 4.2.14

GUERIDON SERVICE UNIT 5

- History & definition 5.1
- Types of trolleys 5.2
- Advantages & disadvantages of Gueridon 5.3
- Gueridon equipment 5.4
- 5.5
- Gueridon equipmo...

 Gueridon ingredients

 List of items prepared on the Gueridon (Including Flambéing hors-d'oching pasta & rice, main course & Desserts with special emphasis on service) 5.6 .

UNIT 6

- 6.1 Types of bar:- 1) Cocktail Dispense
- 6.2 Area of bar
- 6.3 Front bar
- 6.4 Back bar
- 6.5 Under bar
- 6.6 Bar stock
- 6.7 Bar control
- 6.8 Bar staffing
- 6.9 Opening & closing duties

FOOD & BEVERAGES (F & B SERVICE) - II (PRACTICAL)

ACTIVITY 1 WINES

- 1.1 Service of red, white & sparkling wine
- 1.2 Presenting the bottle, removing the cork & its service

ACTIVITY 2 SPIRITS

- 2.1 Service of Spirits
 - > Rum
 - A Cin
 - Brandy
 - Whisky
 - Vodka
 - Others

ACTIVITY 3 BEER

3.1 Service of beer

WERSITY OF MUMBAI COCKTAILS AND MOCKTAILS Demonstration of > Stirred > Shaken > Built up Demonstration of > 3 mocktails

GUERIDON SERVICE

Service of food from Gueridon including flambéing -KMM 5

- > Hors d'oeuvre
- > Soups, eggs
- > Pasta & rice
- Fish & main Course
- > Desserts

FUNCTION CATERING Table setups and arrangements for

- > Banquets
- > Buffet

Withere will be continuous assessment of skills being acquired through class work, practical & periodic soments / project works / tests / orals etc.

godory journal to be submitted at the end of each term for assessment

leference Book:-

6.1

Milessional Food & Beverage Service Management, Brian Varghese

Food & Beverage Service, Sudhir Andrews

Find and Beverage Service, Dennis Lillicrap, John Cousins Robert Smith, Fifth, 1998, Hodder and Soughton Educational, 338 Euston Road, London

The International Guide to Drinks, 'United Kingdom Bartenders' Guild, 1994, Vermilion, Random House,

20 Yauxhall Bridge road, London SW 1V2SA

The Cont Go Wrong Book of Drinks, Shatbhi Basu, First, 1999, Business Publications Inc., 229/A, Kantiveer Rajguru Marg, Girgaon, Mumbai

he World Atlas of Wine, Hugh Johnson, Fourth, 1994, Mitchelle Beazley, Michelin House, 81 Fulham

he Penguin Wine Book, Pamela Vinoyke Prile, First, 1984, Allen Lae Penguin Books Ltd. 536, Kings Road, London SW3 6RB

Road, London SWIO OUH The Book Of Wine, Stuart Walton, First, 1997, Joanna Lorenz Annez Publishing Ltd., Hermes House, 88-

89 Black Friars Road, London SEI SHA he New Wine Companion, David Burroughs and Norman Bezzant, Second, Wine and Spirits Education Trust

hocket up 1982 M.P. Books, P.O. Box 5367, Tucson, AZ 8573
Rocket up 1982 M.P. Books, P.O. Box 5367, Tucson, AZ 8573
Rocket up 1982 M.P. Books, P.O. Box 5367, Tucson, AZ 8573 Rocket Wine Book, Hugh Johnson, Twentieth, 1997, Mitchelle Beazley, Michelin House, 81 Fulham RB 600d, London SW3

Red Sons Service Facilities and Planning, Edward A Kazarian, Third, 1989, John Wiley and Sons Food and Record Lockwood, Second, 1994, Butte Food and Beverage Management, Bernard Davis, Edward Lockwood, Second, 1994, Butterworth

Walter and Waitres Training Manual, Sandra J. Dalmer, Kurt W. Kohl, Fourth, 1996, John Wiley

15. Marketing by Menu, Nancy Loman Scanlon, Third, 1999, John Wiley

15. Marketing by Menu, Nancy Loman Scotling, Hard Register Thomas, 1994, John Wiley

16. How to Manage a successful bar, Christopher Egerton Thomas, 1994, John Wiley

Pattern of Question Paper:-(Second year B.Sc. Maritime Hospitality Studies)

Theory

O hrc 1	account let	m (Due
2 hrs.) Maximum	Questions in	Doration 2 hres
	Examination Paper	
15	Q-1	4,5,6 Maximum
15	Q-2	4
15	Q-3	5 15
15	Q - 4	6 15
60		Total 15
		60
	Maximum Marks 15 15 15 15 60	Marks Examination Paper 15 Q-1 15 Q-2 15 Q-3 15 Q-4

- Marks obtained at the end of each term test shall be converted to out of 40 to h_{θ,η_0} final calculation.
- Question no. 1 should be of short answer type questions having six sub questions (2 to be attempted) of 3 marks each. Total 5 questions are to be attempted).
- Question 2, 3 & 4 should be from topics mentioned in the table total 3 sub questions attempted of 5 marks each out of the choice of 4 sub questions.

Conduct of Practical Examination

Maximum Marks 60 Duration 2 hrs.

- A candidate shall be given two activities
 - a) Cocktail / Mocktail making
 - b) Gueridon Service

Assessment will be done as follows –

1	, Ssessment '	will be done	as follows –			Viva -
ĺ	Journal	Personal Grooming	Work Sheets	Activity 1	Activity 2	Voce
1	10	10	10	10	10	10

- 57 -

YEAR ~ II

COMMODATION & FACILITY MANAGEMENT - PAPER II COMMO MANAGEMENT)

Marks Contact Hours 60

to establish the importance of accommodation operation within the hospitality Industry.

Schlie aims to establish the importance of accommodation operation within the hospitality Industry.

Schlie aims to establish the importance of accommodation operation within the hospitality Industry. scourse aims to established acquire basic skills & knowledge necessary to successfully identify the prepares in this area and to consider all aspects of cost control & establishing accessing the stablishing access to the stabl prepares the stock of this area and to consider all aspects of cost control & establishing profitability.

ROUTINE SYSTEM AND RECORD OF HOUSEKEEPING DEPARTMENT

10 Hours

Reporting staff placement

Room occupancy report

Guest room inspection report Valous check lists, floor register

Work orders, log sheets

Lost and found register

Maids report and Housekeepers report

Guest special request register

Call register

1.1.10 VIP involvements

Inter Departmental Relationship

1.2 With front office

With Maintenance 1.2.1

1.2.2 With Security 12.3

With Stores 12.4

With Accounts 12.5

12.6 With Personnel

UNIT 2 MANAGING KEYS

10 Hours

Types of keys

22 Computerized key cards

23 Control of keys

UNIT 3 LINEN ROOM & UNIFORM MANAGEMENT

10 Hours

3.1 linen Room

3.1.1 Activities of linen room

3.1.2 Layout and equipment in the linen room

3.1.3 Selection criteria for various linen items and fabrics

3.1.4 Purchase of linen

3.1.5 Calculation of linen requirement

31.6 Linen control procedure and records

Stock taking procedures and records 3.1.7

3.1.8 Recycling of discarded linen

3.2 Uniform Management

Advantage of providing uniforms to staff 3.2.1

Issuing and exchange of uniforms; type of uniforms 3.2.2

Selection and designing of uniforms 3.2.3

3.2.4 Layout of uniform room

Uniform repair and maintenance, sewing 3.2.5

LIMIN/EDSITY OF MIIMBAL

OINI	VERSITT OF INCOME.	-
UNIT 4	STEWARDING & STORES	١.
4.1	Kitchen Stewarding Layout and Design	J.F
4.1.1	Functions of kitchen stewarding	ľ
4.1.2	Layout and design	
4.1.3	Equipments found in kitchen stewarding	
4.2	Stores Layout And Design	
4.2.1	Stores layout and planning (Dry, Cold and Bond)	
4.2.2	Various equipments of the stores	
4.2.3	Work flow in stores	
111117 6	WASTE MANAGEMENT	
UNIT 5	WASTE MANAGEMENT	
5.1	MARPOL 78/79	
5.2	Outline the cost of solid waste disposal	
5.3	Outline the cost of solid waste disposal Describe ways the hospitality industry can reduce the amount of solid waste generates Distinguish between re-use and waste transformation	
5.4	Distinguish between re-use and waste transformation	le ii
5.5	Describe recycling .	- 11
	20001120 (00) 011119	
UNIT 6	ENERGY MANAGEMENT	
6.1	Elements of energy cost control	
6.2	Describe several ways to reduce electrical costs with a life	
	Elements of energy cost control Describe several ways to reduce electrical costs without reducing the amount dentity various ways to reduce energy consumption.	nt or
6.3	dermy various ways to reduce energy consumption in quest room	11 01
6.4	beschoe the ose of energy find logerherit equipment	
6.5	O 10	
6.6	Developing and implementing energy conservation pro-	
	Developing and implementing energy conservation programme for you propi	Ort.
	Prob	CHY

PRACTICAL

- 1 Managing Central Housekeeping Desk
- 2 Managing Maintenance Work orders
- Managing Linen and Uniform Room 3
- Laundry Machinery and Equipment 4
- 5 Managing Laundry Operations
- 6 Stain Removal
- Managing kitchen stewarding operations schedule 7
- 8 Cleaning procedures
- 9 Flower Arrangement
- Selection and Designing of Uniforms 10

*NOTE: there will be continuous assessment of skills being acquired through class work, practical a pr assignments / project works / tests / orals etc.

*Laboratory Journal to be submitted at the end of each term for assessment

Reference Books:-

- 1. Facilities Management, Trevor Payne, Chandos Publishing (Oxford)
- 2. Facilities Management And Maintenance, Quah, McGraw-Hill ISE 3. Facilities Management and the Business of Space, Wes McGregor, Danny Shiem-Shi **Publishers**
- 4. Facilities Management in Networked Organisations, Bob Grimshaw, Blackwell Published
 5. Facility Management Bid
- 5. Facility Management: Risks and Opportunities, Bev Nutt, Peter McLennan
- 6. Facility, Location, and Land Use, Chan, Taylor & Francis Group



ratern of Question Paper:ratern of Question Paper:ratern of Question Paper:potential Paper:-

meory

First Term (Duration 2	2 hrs.)	Second Ter	m (Durat	ion 2 hrs.)
Questions in Examination Paper	IInita	Maximum Marks	Questions in Examination Paper	Units	Maximum Marks
examination	1, 2,3	15	Q-1	4,5,6	15
0-1	1	15	Q-2	4	15
0-2	2	15	Q-3	5	15
Q-3	3	15	Q-4	6	15
Q-4	Total	60		Total	60

Marks obtained at the end of each term test shall be converted to out of 40 to the next integer for final calculation.

Question no. 1 should be of short answer type questions having six sub questions (2 from each unit) of 3 marks each. Total 5 questions are to be attempted).

Question 2, 3 & 4 should be from topics mentioned in the table total 3 sub questions to be attempted of 5 marks each out of the choice of 4 sub questions.

Conduct of Fractical Examination

Maximum Marks 60 Duration 2 hrs.

. A candidate shall be given any two activities based on curriculum

Assessment will be done as follows -

Journal	Personal Greening	Work Sheets	Activity 1	Activity 2	Viva - Voce
10	10	10	10	10	10

COST AND FINANCIAL MANAGEMENT - PAPER II (FINANCIAL ACCOUNTING)

Objective
This subject deals with the inventory control of the stores required for the hotels. It also elements of cost, production control, costing of the products & services as incurred in also elements.

	BASICS OF ACCOUNTING
UNIT 1	Introduction To Accounting
1.1	Nature, Importance
1.1.1	Objectives of Accounting
1.1.2	Advantages of Accounting
1.1.3	Concepts conversation & Principles of accounting and introduce
1.1.4	Advantages of Accounting Concepts, conversation & Principles of accounting and introduction to accounting and introduction to account to accounting and introduction to account
1.2	Double Fillia book keeking
1,2,1	Principles, applications, Nature & advantages
1,2.2	Classification of Accounts
1.2.3	Rules of debit & credit
UNIT 2	JOURNAL & LEDGER ENTRIES
2.1	Recording Transaction in the Journal
2.1.1	Importance of journal & its format
2.1.2	Journalizing Simple, compound entries
2.1.3	Narrations
2.2	The Ledger
2.2.1	Classification & Importance of ledger
2.2.2	Posting entries & balancing ledger Accounts
UNIT 3	SUBSIDIARY JOURNAL & BANK RECONCILIATION STATEMENT
3.1	Advantages of Subsidiary Books
3.2	The different subsidiary books: sales Book, purchase I
3.3	The state of the s
3.4	a data mages of preparing 8K2
3.4	Method & form of preparing BRS
UNIT 4	TRIAL BALANCE, PURPOSE & ADVANTAGES
4.1	importance, purpose & advantages
4.2	Trial balance
4.3	Types of errors
4.4	Suspense account
UNIT 5	CAPITAL AND DEVENUE EXCENSE
5.1	Nature of Capital & Revenue EXPENDITURE AND DIFFERED REVENUE EXPENDITURE
5.2	Nature of Capital & Revenue Type of Income & Revenue Type of Income & Revenue
5.3	Type of Income & Francisco
5.4	Type of Income & Expenditure Nature of deferred revenue Expenditure
	Strelled revenue Expenditure

M

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FINAL ACCOUNTS OF SMALL HOTELS/ RESTATURANTS

10 Hours

UNIT 6

Importance, purpose & need for preparation of final accounts

Exercises covering the following Adjustments, closing stock, prepaid expenses, 6.1 outstanding expenses, income receivable, depreciation & amortization, bad debts & provision for bad debts 6.2

Reference Books:-

Elements of Accounts, TS Grawal – S., Chand & Co. Elemens Accountancy - Frank Woods, Pitman Publishing gusiness of Accountancy – Artbony, Addision & Wesley Accountancy - R. L. Gupta

Pattern of Question Paper:panelli S. Sc. Maritime Hospitality Studies)

Theory

First Term	Duration	2 hrs.)	Second Ter	m (Durat	ion O has)
Questions in Examination Paper	Units	Maximum Marks	Questions in Examination Paper	Units	Maximum Marks
Q-1	1, 2,3	15	Q-1	4,5,6	15
Q-2	1	15	Q - 2	4	15
Q-3	2	15	Q-3	5	15
Q-4	Total	60	Q - 4	6	15
	TOTAL	- 00	18.	Total	60

- Marks obtained at the end of each term test shall be converted to out of 40 to the next integer for final calculation.
- Question no. 1 should be of short answer type questions having six sub questions (2 from each unit) of 3 marks each. Total 5 questions are to be attempted).
- Question 2, 3 & 4 should be from topics mentioned in the table total 3 sub questions to be attempted of 5 marks each out of the choice of 4 sub questions.

BAKERY AND CONFECTIONERY

Objective

To help the students have the basic knowledge of ingredients used in bakery & confectionery products.

They will know the principles of cake making, fermented goods, pastries, cookies etc. and the principles of methods of preparing a wide range of icings, they will develop the baked goods, identify common faults and the principles of methods of preparing a wide range of icings, they will develop the baked goods, identify common faults and the principles of methods of preparing a wide range of icings, they will develop the baked goods, identify common faults and the principles of cake making. They will know the principles of cake making, fermented goods, pusities, cookies etc. and they will gain knowledge of methods of preparing a wide range of icings, they will develop they will gain knowledge of good quality baked goods, identify common faults and be attacked assess the characteristics of good quality baked goods in balancing formulas.

UNIT 1	BAKERY RAW MATERIAL	
1.1	- Flour	10 kg
1.1.1	Structure of wheat	
1.1.2	Types of flour	delmon
1.1.3	Processing of wheat – flour	80
1.1.4	Uses of flour in food production / selection	
1.1.5	Nutritive value	1
1. 2	Sugar	7.4
1.2.1	Importance of sugar	
1.2.2	Uses of sugar	
1.2.3	Various stages of heating sugar	Park I
1.3	Shortenings	
1.3.1	Fats & oils – types & varieties	
1.3.2	Role of shortenings	
1.3.3	Varieties of shortenings	
1.3.4	Advantages & disadvantages of using different shortenings	
1.4	Raising Agents	
1.4.1	Classification of raising agents	
1.4.2	Role of raising agents	
1.4.3	Actions & reactions	
UNIT 2	BREADS	10 Hours
2.1	Principles of bread making	
2.2	Simple yeast breads	
2.3	Role of each ingredient & its importance	
2.4	Bread faults & its remedies	
UNIT3	PASTRY	10 Hours
3.1	Basic Pastries	
3.2	By products of Parties	
3.3	Principles of recipe balancing in cake making & bakery	
3.4	Different methods of cake making	
3.5	Cake making faults & its remedies	

Marks Contact H

	ITY OF MUMBAI	YEAR - I
.ur 4	ICINGS, TOPPINGS AND ERONGUES	
UNIT 4	Varieties & uses of icinas	10 Hours
4.1	Difference between icings & toppings	
4.3	Making of meringues	
4.4	Factors affecting stability	
4.5	Cooking of meringues	
4.6	Types & uses of meringues	
INIT 5	CHOCOLATE AND FROZEN DESSERTS	
5,1	Introduction	10 Hours
5.2	Production of cocoa	
5.3	Tempering of Chocolates	
5.4	Types & Classification of frozen Desserts	
5.5	Jam, Jellies, Cream, custards, golding	
5.6	Jam, jellies, cream, custards, gelatin, agar-agar, isinglass, pectin, gum Improvers, stabilizers, additives & preservatives	s, dextrin
INIT 6	ELEMENTARY KNOWLEDGE OF OVENS	
6.1	Types of ovens	10 Hours
6.2	Construction of various types of ovens	
6.3	Key baking terms	
6.4	Temperature & the bakery	
KERY AND	CONFECTIONERY - PRACTICAL	
		Marks 40
	RREAD	Marks 40
TIVITY 1	BREAD	Marks 40
TIVITY 1	Rolls	Marks 40
1.1 1.1 1.2	Rolls Loaves	Marks 40
1.1 1.2 1.3	Rolls Loaves Pizza Base	Marks 40
1.1 1.2 1.3 CTIVITY 2	Rolls Loaves Pizza Base CONFECTIONERY	Marks 40
1.1 1.2 1.3 CTIVITY 2 2.1	Rolls Loaves Pizza Base CONFECTIONERY Brandy Schnapps	Marks 40
1.1 1.2 1.3 CTIVITY 2 2.1 2.2	Rolls Loaves Pizza Base CONFECTIONERY Brandy Schnapps Toffees	Marks 40
1.1 1.2 1.3 CIVITY 2	Rolls Loaves Pizza Base CONFECTIONERY Brandy Schnapps	Marks 40
1.1 1.2 1.3 CIVITY 2 2.1 2.2 2.3	Rolls Loaves Pizza Base CONFECTIONERY Brandy Schnapps Toffees	Marks 40
1.1 1.2 1.3 CIVITY 2 2.1 2.2 2.3	Rolls Loaves Pizza Base CONFECTIONERY Brandy Schnapps Toffees Puddings	Marks 40
1.1 1.2 1.3 2.1 2.1 2.2 2.3 2.1 2.2	Rolls Loaves Pizza Base CONFECTIONERY Brandy Schnapps Toffees Puddings SIMPLE CAKES	Marks 40
1.1 1.2 1.3 CIVITY 2 2.1 2.2 2.3	Rolls Loaves Pizza Base CONFECTIONERY Brandy Schnapps Toffees Puddings SIMPLE CAKES Demonstration and preparation of simple cake recipes	Marks 40
1.1 1.2 1.3 CTIVITY 2 2.1 2.2 2.3 CTIVITY 3 3.1 3.2	Rolls Loaves Pizza Base CONFECTIONERY Brandy Schnapps Toffees Puddings SIMPLE CAKES Demonstration and preparation of simple cake recipes Sponge, genoise, fatless, Swiss roll, muffins	Marks 40
1.1 1.2 1.3 21VITY 2 2.1 2.2 2.3 21IVITY 3 3.1 3.2 3.3	Rolls Loaves Pizza Base CONFECTIONERY Brandy Schnapps Toffees Puddings SIMPLE CAKES Demonstration and preparation of simple cake recipes Sponge, genoise, fatless, Swiss roll, muffins Fruit cakes	
21 1.1 1.2 1.3 21 2.1 2.2 2.3 21 3.1 3.2 3.3 3.4 3.5	Rolls Loaves Pizza Base CONFECTIONERY Brandy Schnapps Toffees Puddings SIMPLE CAKES Demonstration and preparation of simple cake recipes Sponge, genoise, fatless, Swiss roll, muffins Fruit cakes Rich cakes, Dundee, Madeira Gateaux – variations – black forests, truffle, Dutch, Pineapple gateaux,	
1.1 1.2 1.3 CTIVITY 2 2.1 2.2 2.3 CTIVITY 3 3.1 3.2 3.3 3.4	Rolls Loaves Pizza Base CONFECTIONERY Brandy Schnapps Toffees Puddings SIMPLE CAKES Demonstration and preparation of simple cake recipes Sponge, genoise, fatless, Swiss roll, muffins Fruit cakes Rich cakes, Dundee, Madeira Gateaux – variations – black forests, truffle, Dutch, Pineapple gateaux, Strawberry gateaux	
1.1 1.2 1.3 211VITY 2 2.1 2.2 2.3 211VITY 3 3.1 3.2 3.3 3.4 3.5	Rolls Loaves Pizza Base CONFECTIONERY Brandy Schnapps Toffees Puddings SIMPLE CAKES Demonstration and preparation of simple cake recipes Sponge, genoise, fatless, Swiss roll, muffins Fruit cakes Rich cakes, Dundee, Madeira Gateaux – variations – black forests, truffle, Dutch, Pineapple gateaux,	
1.1 1.2 1.3 2.1 2.1 2.2 2.3 2.1 3.1 3.2 3.3 3.4 3.5	Rolls Loaves Pizza Base CONFECTIONERY Brandy Schnapps Toffees Puddings SIMPLE CAKES Demonstration and preparation of simple cake recipes Sponge, genoise, fatless, Swiss roll, muffins Fruit cakes Rich cakes, Dundee, Madeira Gateaux – variations – black forests, truffle, Dutch, Pineapple gateaux, Strawberry gateaux	

ICINGS AND TOPPINGS **ACTIVITY 5**

- 5.1 **Butter Icing**
- 5.2 Royal Icing
- 5.3 Gum paste
- 5.4 Fondant Icing
- 5.5 Marzipan

MOUSSE AND SOUFFLE **ACTIVITY 6**

- Common Mousses 6.1
- Common Soufflés 6.2

Reference Books:-

- 1. Professional Baking, Wayne Gisslen
- 2. Bakery materials & methods, A. R. Daniel
- 3. Ice Cream, Sophie Hale
- 4. Pizza Toppings, Hamlyn
- 5. Cake Icing & Decorating, Handship, Carole
- 6. Modern Cookery Vol I & Vol II, Thangam E. Philip
- 7. Understanding Baking, Joseph Amendola, Donald Lundberg
- 8. Bread, Eric Treville & Ursula Ferrigrio
- 9. Basic Pastry Work Techniques, L. G. Nicollello & J. Dinsdall
- 10. Cake Icing & Decorating, Carole Handship

Pattern of Question Paper:-

(Second year B.Sc. Maritime Hospitality Studies)

Theory

First Term (Duration 2 hrs.)			Second Term (Duration 2 hrs.)		
Questions in Examination Paper	Units	Maximum Marks	Questions in Examination Paper	Units	Maximum Marks
Q-1	1, 2,3	15	Q-1	4,5,6	15
Q - 2	1	15	Q-2	4	15
Q-3	2	15	Q-3	5 -	15
Q-4	3	15	Q - 4	6	15
*	Total	60	The second secon	Total	60

- Marks obtained at the end of each term test shall be converted to out of 25 to the next inleger £ for final calculation.
- Question no. I should be of short answer type questions having six sub questions (2 from each of 3 marks each Total 5 questions of 3 marks each. Total 5 questions are to be attempted).
- Question 2, 3 & 4 should be from topics mentioned in the table total 3 sub questions to be attempted of 5 marks each out of the attempted of 5 marks each out of the choice of 4 sub questions.

^{*}NOTE: there will be continuous assessment of skills being acquired through class work, practical & periodic

^{*}Laboratory Journal to be submitted at the end of each term for assessment

conduct of Practical Examination

Maximum Marks 40

puration 3 hrs.

A candidate is supposed to make any two bakery products

A candidate indents sheet and plan of work sheet for the products he / she is supposed to

ment will be done as follows -

Journal	Indent & Plan of Work Sheets	Texture	Eye Appeal	Taste	Personal Grooming, Cleaning & Securing	Viva - Voce	Flavour & Aroma
5	5	5	5	5	1 5	5	5

ENTREPRENEURSHIP SKILLS

Objectives:-

4.1.4

This subject is designed to develop entrepreneurship skills amongst students so that he/she constitutes in future career.

his/her ov	n ventures in future career.	-OII self
UNIT 1 1.1 1.2 1.3 1.4	Who is an entrepreneur Types of entrepreneur Qualities expected from an entrepreneur Organizations for entrepreneur development	10 H _{OUI}
UNIT 2 2.1	SERVICE MAKES THE DIFFERENCES What is service Challenges in Managing and Marketing service businesses Nature of the Product Customers role in production People are part of the product Maintaining quality control The importance of time Different Distribution Channel Achieving superior service in a less than perfect world Strategic Planning Planning Challenges in Capacity Constraint business	10 H _{OUR}
2.3	Strategic Service vision	
2.4	 Focusing a Market segment Focusing on service strategy Delivering "on the service" promise Keys to delivering good service Service Disney style 	
3.1 3.2 3.3 3.4 3.5 3.6 3.7	LONG TERM FINANCIAL DECISIONS Nature of Long Term Financing Decisions Financing through capital market instruments Capital Market VS Money Market Newer models of Financing Financing through tinancial institutions State level and all India level Financial Institutions and its functions	10 Hous
UNIT 4 4.1.1 4.1.2 4.1.3	WORKING CAPITAL & FINANCING WORKING CAPITAL NEEDS Working Capital Introduction to working capital Opening cycles Calculation of working capital	10 H ^{oud}

Components of working capital approach

- 67 -

YEAR.

Contact Hours

Marks

UNIVERSITY OF MUMBAI YEAR - 11 Operating cycle approach percentage of sales approach 1.1.5 practical problems 4.1.6 Financing Working Capital Needs 4.1.7 Working capital financing strategies 4.2 Bank Finance 4.2.1 Bank finance assessment and appraisal 12.2 4.2.3 Non-banking finance Money market 4.2.4 Money market instruments 4.2.5 4.2.6 THE TRAVEL, TOURISM INDUSTRY & GAMING INDUSTRY UNIT 5 10 Hours Changing World 5.1 Nature of Travel and Tourism Industry 5.2 Inter relationships within Travel and Tourism Industry 5,3 Why people travel 5.4 Psychographic research 5.5 Social Impact of Travel 5.6 Planning for Tourism Development 5.7 Story of Gaming 5.8 Gaming in Cruise Liners Casinos 5.9 > Organization and Management Casino Operations

IINIT & PROJECT EVALUATION

10 Hours

6.1 Project evaluation under general conditions

Reference Books:-

Entrepreneurship & Small Business Management, Siropolis, All India Publishers Distributors

Global Business Environments (Understanding Multicultural Behavior), Parhizgar, Kamal Dean; Jaico
Publishing House (Published: 2003)

3. Ethics In Business And Management Concepts, RP Banerjee, Himalaya Publishing House

4 Ethics, Indian Ethos and Management, Balachandran; Wrox Press (Published: 2003)

- 5. Entrepreneurial Policies and Strategies, Mathew J. Manimala, Sage Publications Private Limited.
- 6. Effective Entrepreneurship Management, Anmol Publications
- 7. Entrepreneurship in the 21st Century, Rawat Publications
- 8 Development Banks and Entrepreneurship Promotion in India, Mittal Publications
- 9. Successful Entrepreneurship, Kanishka Publishers
- 10. Handbook of Entrepreneurship Development- An Entrepreneurs Gude to Planning, Starting,
 Developing and Managing a New Enterprise, Mangal Deep Publications



Pattern of Question Paper:-

(Second year B.Sc. Maritime Hospitality Studies)

Theory

First Term (Duration 2 hrs.)			Second Term (Duration 2 hrs.)		
Questions in	Units	Maximum Marks	Questions in Examination Paper		Maximum Ma
Examination Paper	1, 2,3	15	Q-1	4,5,6	15.
Q-1	1	15	Q - 2	4	15
Q-3	2	15	Q - 3	5	15
Q - 4	3	15	Q - 4	6	15
	Tota!	60		Total	60
		7 7 7 7 7	ACHOUST A TEST TOTAL		127

- Marks obtained at the end of each term test shall be converted to out of 25 to the next in £ for final calculation.
- Question no. 1 should be of short answer type questions having six sub questions (2 from each of 3 marks each. Total 5 questions are to be attempted).
- Question 2, 3 & 4 should be from topics mentioned in the table total 3 sub questions attempted of 5 marks each out of the choice of 4 sub questions.

Marks 50 Contact Hours 60

designed to impart a positive attitude and interpersonal skills required in day to day life in designed to impart a positive attitude and interpersonal skills required in day to day life in the student is designed to impart a positive attitude and interpersonal skills required in day to day life in the student designed in the student students are appropriately presentation skill amongst students to enable them to take higher responsibility during and opening progression.

" o'gove	orgression.	
career	GROUPS & COMMUNICATION IN GROUPS	10 Hours
1	Introduction	
INT 1	Groups	
1.1	Formalion	
13 .	think & its pittoli	
1.4	croup Dynamics	
1.5	Communication	
1.6	Cooperation	
🛊 17	callaboration	
1.8 1.9	Teams & how to make them effective	
1,7	LEADERSHIP AND SOCIETY	10 Hours
UNIT 2		
2.1	Society Social Structure	
2.2	Changing pattern in society & their impact on interpersonal relation	
2.3	What is Conflict	
2.4	Resolution of Conflict	
2.5	Sources of interpersonal conflict	
2.6	Interpersonal Conflict – Transactional Analysis, Johan Window	de la
2.7 2.8	Strategies for resolving Interpersonal Conflict negotiations	in the state of
2,0	The first (vertically server)	10 Hours
UNIT 3	FRUSTRATIONS	isa y. 🛶
3.1	What is frustration	
3.2	Causes of Frustration	
3.3	Effect of frustration	
3.4	Solution for avoiding frustrations	
UNIT 4	ORAL COMMUNICATIONS & LISTENING SKILLS	10 Hours
4.1	Use of appropriate language	
4.2	Voice, Tone	
4.3	Explaining, Justifying, Convincing	
4.4	Expressing and Opinion	
4.5	Arguing out a matter	
4.6	Persuasive Skills	
4.7	Pronunciation and Dictions	
4.8	T. I	
4.9	Taking down notes Listening to Different points of view in a group	
4.10	Relating use views of different persons	
٦.١٥	Relating use views of different	

UNIT 5	TIME & STRESS MANAGEMENT
5.1	Time Management In Group
5.1.1	Time management skills in group for completion of a proje
5.1.2	What factors lead to time loss, how can it be avoided
5.1.3	Time matrix
5.1.4	Urgent Vs Important Jobs
5.2	Stress Management in Groups
5.2.1	Stresses in work Group
5.2.2	How to control Emotions
5.2.3	Strategy to overcome Stress
5.2.4	Understanding Importance of Good Health to avoid stress
UNIT 6	ETHICS & SWOT ANALYSIS
6.1	What are ethics
6.2	How ethics help to ensure positive interpersonal relations
6.3	Personal Value Systems
6.4	Personal quality primer
6.5	Concept of SWOT analysis
6.6	How to do SWOT Analysis
0.0	Land of the state

Reference Books:-

- 1. Human learning, Jeanne. E.O, Third, 1999, Prentice Hall, New jersey
- Learning to learn, Kenneth a kiewra, Nelson F. Dubois, 1998, Allyn and Bacon
- 3. Basic Managerial Skills for all, E.H. Megrath, Third, 1989, Prentice hall of India Ltd.
- 3. Basic Managenai skills for all, L.I. Managenai & B.B. Sharama, 1986, T.T.I.L., Chandigan
 4. Independent Study Techniques, P.D. Kulkarni & B.B. Sharama, 1986, T.T.I.L., Chandigan 5. The handbook of project management, Trevor L. Young, First, 1999,
- The nanabook of project management, Kogan Page, Michael Davies, Trainer's Guide, 1999, Kogan Page
 Project management, Kogan Page, Michael Davies, Trainer's Guide, 1999, Kogan Page
- 7. 101 ways to better communication, Elizabeth Hierney, 1st Edition, 2001, Kogan Page
- 8. Improving individual performance, Dean R. Spitzer, 1st, 1986, Educational Technology Phil.
- 9. Organizational Behavior, Fred Luthans, Sixth, 1992, McGraw Hill
- 10. Managing Time, Dr.R.L.Bhatia, First, 1994, Wheeler Publishing
- 11. Manage Your Time, Tim Hindle, 1998, Drling Kindersley
- 12. Team Building, Glenn Parker, First, 2002, Viva Books Pvt Ltd. Mumbai
- 13. Leadership Training, Elizabeth M. Christopher, First, 2002, Viva Books Pvt Ltd. Mumbai

pattern of Question Paper:-

pattern of a B.Sc. Maritime Hospitality Studies)

Theory

First Term (Questions in		Maximum	Second Ter	m (Durat	ion 2 hrs.)
Examination 1 ape.	1, 2,3	Marks 15	Questions in Examination Paper	Units	Maximum Marks
0-2	1	15	Q-1	4,5,6	15
Q-3	2	15	Q-2	4	15
Q-4	3	15	Q-3	5	15
- C	Total	60	· Q-4	6	15
			the same of the same	Total	60

- Marks obtained at the end of each term test shall be converted to out of 25 to the next integer for final calculation. £
- Question no. 1 should be of short answer type questions having six sub questions (2 from each unit) of 3 marks each. Total 5 questions are to be attempted).
- Question 2, 3 & 4 should be from topics mentioned in the table total 3 sub questions to be attempted of 5 marks each out of the choice of 4 sub questions.

INFORMATION TECHONOLOGY APPLICATIONS

Objectives:
To acquire computers knowledge pertaining to hospitality industry should be able to the hospitality manager to the To acquire computers knowledge pertaining to mospinally should be able to Applications & understand data analysis regarding policy decisions of the hospitality monoger

COMPUTER FUNDAMENTALS UNIT 1

- Overview to Computer System
- Types of Computer
- Hardware and Software
- Types of Software
- Operating System: DOS and Windows 98/2000
- Application Software
- Representation of Data
- Components of a Computer-CPU, Memory
- Input and Output Devices-Keyboard, Mouse, Monitors, Printers
- Input and Output Devices-NeyDood.

 Storage Devices-Types of Storage Devices, Opiq

UNIT 2 **OPERATING SYSTEMS (WINDOWS)**

- Starting WINDOWS
- Exploring the Desktop
- The Start Button
- Moving and Sizing Windows
- **Arranging Windows**
- Shortcuts
- Shutting Down Windows
- Windows Tools
- My Computer
- Windows Explorer
- Copying Files
- Using Send To
- Creating, Renaming and Deleting Folders
- Copying, Deleting, Moving and Renaming Files
- Find Files and Folders
- Word Pad
- Opening and Saving File
- **Editing Document and Formatting Text**
- Previewing and Printing Document
- Recycle Bin
- Help

WERSITY OF MUMBAI

YEAR - II

MS WORD

M13

Introduction to Office Tools:

10 Hours

- Introduction to Word Processing: Introduction to MS Word
- Creating and Formatting a Document
- Auto Text, Auto Complete and autocorrect
- Grammar' and Spell Check
- Changing font and Type Sizes
- Inserting and Sizing a Document
- Opening and Saving a Document
- Printing and Previewing a Document
- Finding and Replacing Text
- Creating and Removing the Hyper Link
- Creating Reports and Tables.
- Template (Letter, Fax, Memo, Report)
- Introduction to Office Tools:

MS EXCEL

NT4

Introduction to Electronic Spread Sheet

10 Hours

- Introduction to Microsoft Excel Creating and Formatting a Worksheet
- Inserting Data into Worksheet
- **Entering Formulas and Functions**
- Types of Charts
- Creating Charts
- Moving and Sizing Charts
- Copying a Chart
- Using Auto Fill
- Splitting Windows and Freezing Panes
- Using Goal Seek

MT 5 POWER POINT

10 Hours

- Introduction to Presentation Program
- Introduction to Microsoft Power Point
- Creating a Presentation
- Features of Power Point
- Auto Content Wizard
- Viewing and Editing a Presentation
- Inserting, Moving, Hiding and Deleting Slides
- Inserting Pictures and Clip Art.
- Opening, Saving and Printing a Presentation
- Creating and Enhancing a Table
- Slide Layouts
- Modifying the Slide and Title master
- Adding Transition and Build Effects
- Infroduction to Presentation Program Introduction to Microsoft Power Point

UNIT 6

INTERNET AND E-MAIL APPLICATIONS

- RNET AND E-MAIL APPLICATIONS

 What is Internet History and Uses of Internet Connecting to Internet

 The stand Direct Access Domains and Addresses
- Using the World Wide Web
- Internet Browser and Browsing the Web
- Services on Internet
- E-mail Services
- Search Engines
- Chat Services.
- Hospitality Software

• Hospitally -
*NOTE: there will be continuous assessment of skills being acquired through class work, practical to project works / tests / orals etc.

*Laboratory journal to be submitted at the end of each term for assessment

Reference Books:-

- 1. Computer Fundamentals, Sawtantar Singh, Kalyani Publishers
- 2. Computer Concepts Windows and MS Office, Vikas Publishing House
- 3. Computer Application in Business, T.D. Malhotra, Kalyani Publishers
- 4. MS Windows At a Glance, Nesbitt, BPB Publications

Pattern of Examination -

(Second Year B.Sc. Maritime Hospitality Studies)

Conduct of Practical Examination

Maximum Marks 50

Scheme of Mar	king	
Journal	Viva-voce	Online Examination
10	10	30

45

UNIVERSITY OF MUMBAI

TEACHING AND EXAMINATION SCHEME FOR DEGREE COURSE.

COURSE NAME: B.Sc. MARITIME HOSPITALITY STUDIES

DURATION OF COURSE: THREE YEAR

YEAR: THIRD YEAR

FULL	TIME /	PART	TIME:	FULL	TIME

	. CORE SUBJECT	TEACHING SCHEME		EXAMINATION SCHEME & MAXIMUM MARKS			
SR. NO.				THEORY		PRACTICAL	
		TH	PR	Internal Assessment	Final	Internal	Final
1	Maritime Studies – Paper III (Maritime Legislation & Shipboard Computer Application)	60	40	20	Exam 80	Assessment 25	Exam 50
2	Food Production – Paper III (Advance Food Production)	60	120	20	80	25	50
3	Food &Beverages – Paper III (F&B Management)	60	-	20	80	- 1 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	-
4	Accommodation and Facility Management – Paper III (Housekeeping Management)	60		20	80	W	- ₈ -
5	Cost and Financial Management – Paper III (Financial Management)	60	5507 - 1	20	80		-
	ALLIED SUBJECT	San Jack				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
6	Principals of Management	60	in to	20	80	·	-
7	Human Resources Management	60	ple s nic	20	80	h1	-
8	Strategic Management	60	relea r tme	20	80	·	-
9	Project	- 7	60		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	-	50
	Total	480	220	160	640	50	150

INSTITUTIONS HOURS PER WEEK: 35 HRS

TOTAL MARKS: 1000

16 to 20 weeks of Industrial Training at any Hotels / Hospitality outlets or off shore installation to be conduct in T.Y. B.Sc.

Teaching Scheme is for 20 weeks duration.

Candidate have to Secure minimum 50% marks in the industrial training and minimum of Grade 'B' in project to declare pass.

IVERSITY OF MUMBAI

Solution of the examination for third year examination for third year examination for the college/ indian A candidate for being eligible for admission to the examination for third year exami 5765 Candidate for being eligible for admission to the college inchion maritime hospitality studies shall produce testimonials of having kept two years in the college inchion maritime hospitality studies shall produce testimonials of having kept two years in the college inchion maritime hospitality studies shall produce testimonials of having kept two years in the college inchion maritime hospitality studies shall produce testimonials of having kept two years in the college inchion maritime hospitality studies shall produce testimonials of having kept two years in the college inchion maritime hospitality studies shall produce testimonials of having kept two years in the college inchion maritime hospitality studies shall produce testimonials of having kept two years in the college inchion maritime hospitality studies shall produce testimonials of having kept two years in the college inchion maritime hospitality studies shall produce testimonials of having kept two years in the college inchion maritime hospitality studies shall produce testimonials of having kept two years in the college inchion maritime hospitality studies shall produce testimonials and the college inchion maritime hospitality studies are the college inchion maritim

maritime hospitality studies shall produce maritime hospitality studies shall be shall be shall be shall be sha candidate who has appeared for third year but it is a candidate who has appeared for third year. completed his/ her Industrial interface.

982. - The following are the syllabi in various subjects of third year in Maritime Hospitality Studies 5882

(Maritime Legislation & Shipboard Computer Application)

Marks Contact Hours to

This subject expresses the student to Maritime Legislation pertaining to International & National Laws on Shipboard Computer Application. Theory

1.1 INTERNATIONAL MARITIME ORGANISATION UNIT 1

10 Hours

Practicals

- 1.1.1 IMO
 - 1.1.2 ILO Convention No. 68, 69
 - 1.1.3 ISM Code
 - 1.1.4 ISPS
 - 1.1.5 Quality Management
 - 1.1.6 STCW 95
 - 1.1.7 Port State Control
 - 1.1.8 Drug, Alcohol Policy, Health Hazards
 - 1.2 IMPLEMENTATION OF MERCHANT SHIPPING (RECRUITMENT AND PLACEMENT OF SEAFARERS) RULE 2005
 - MS Act 1958 1.2.1
 - Overview
 - Section 95 (registration of recruitment and placement agencies)
 - Part VII (Employment of seafarers Indian Flag Vessels)
 - Recruitment and placement rules, 2005 1.2.2
 - Introduction and definitions
 - Significance of the RPS, Rules, 2005
 - Purpose of the rule
 - Benefit to seafarers under the rule
 - Responsibilities of employer
 - Rights and responsibilities of the seafarer
 - How to access information regarding registered recruitment and placement agencies
 - Article of Agreement (Indian Ships) 1.2.3
 - Lecture on general content of agreement
 - Responsibilities of employer and seafarer
 - Discussion on the content
 - Article of Agreement (foreign flag ship) 1.2.4
 - Lecture on general content of agreement
 - Relevance of RPS, Rule 2005 on foreign ships

- 77 -

Responsibilities of foreign employer & seafarer Discussion on the content

1.3 MARPOL - 73 / 78

1.3.1 Annexure II

1.3.2 Annexure III

1.3.3 Annexure IV

1.3.4 Annexure V

UNIT 2

IINIT 3

UNIT 4

1.3.5 Annexure VI

INDIAN MARITIME LAW

2.1 Marine Insurance

2.2 UNCLOS & its principles

2.3 Territorial waters, contiguous zone and EEZ

2.4 Pollution damage & compensation 2.5 National Maritime Board Agreement

2.6 General conditions regulating hours of work

2.7 Period of rest

2.8 National Maritime Board Agreements

2.9 Scale of Provisions for seamen

2.10 Provident Fund

2.11 Personal Injury, death

SHIPBOARD OIL POLLUTION EMERGENCY PROCEDURES (SOPEP)

SHIPBOARD COMPUTER APPLICATION

10 Hours

10 Hours

4.1 Basic Hardware Familiarization

Handling the computer and peripherals

- Booting the computer, common start up errors and their remedies. Connecting peripherals keyboard, mouse, monitor, power cables, UPS to the computer and checking all connections
- Keyboard layout and functions of different keys
- Proper shut down of PC precautions to avoid an improper shut down
- Identifying the different hardware parts in the PC
- Determining the configuration of the PC

4.2 Operating System

- The Windows Operating System
- Handling files and folders
- Creating, opening, renaming, and deleting files and folders.
- Performing searches for specific files and folders
- Using common keyboard shortcuts to speed up operations
- Using windows help
- Installation / uninstalling of software
- Coping and burning of CDs
- Using win zip software
- Internet and using browser like explorer
- Using email application program
- Antivirus software's and removal of virus from PC's networks

4.3 MS - Word

- Creating and saving documents in MS-Word
- Opening, finding, renaming, files and folders
- Using page setup, print preview and print commands
- Paragraph options, bullets & numbering
- Format, test using various options in formatting
- Checking spelling & grammar in the document
- Using headers & footers
- Inserting symbols & pictures
- Creating tables in MS Word

4.4 MS-Excel

- Creating workbooks, working with rows, columns, cells and worksheets
- Inserting pictures, graphics
- Formatting of cells
- Using conditional formatting on data in cells

4.5 Advanced MS Office Features and Document Management

4.5.1 MS Word

- Mail Merge, Embedding objects in word
- Master the tools to organize, edit, format, and
- present your content
- Create visual impact with pictures, diagrams,
- tables, 3-d effects, and link charts, tables and
- graphs to live data. Creating hyperlinks to other
- documents

4.5.2 MS - Excel

Writing formulas, using logical and trigonometric functions, data sorting and filtering, using fill series, freezing window panes, creating chart and embedding them in excel documents

4.5.3 Document Management: Using document Management Software's to scan documents and store in the right files and folders

4.6 Shipboard Applications / Databases

4.6.1 Shipboard applications

- Creating and updating crew list
- Account of wages
- Work done report
- Provision inventory and accounting
- Planned maintenance system, inventory control of spares

4.6.2 Dala base

- Making use of database to store and retrieve
- Running a query on the stored data



OF MUMBAI GENERAL ENGINEERING KNOWLEDGE 10 Hours 5.1 Engineering Dop.: Organisation onboard ships puties & responsibilities of engine room personal puties & responsibilities of engine room personal organisation for the property of the prop Onboard Onboard In Engine Room & their purpose 33 Various machinery in Engine Room Layout 5.3 Valle Room Layout S.4 General Engine Room Layout S.4 Chins emergencies & Call 5.4 Gold & hot water systems 5.5 Ships that water system onboard 5.6 Cold & hot water system onboard standing leakage standing 5.6 Various leakage stopping material used onboard 5.7 cmergencies in engine room & action 58 Emergencies in engine room & action se thinhoard Maintenance 5.9 Shipboard Maintenance 06 Hours 5.10 Corrosion 5.10 Paints, Pigments, Vehicles 5.12 Surface preparation 512 Maintenance of galley equipment EMERGENCY DRILLS 10Hours 12 Hours 6.1 Lifeboat drills 6.2 Fire drills

Ethere will be continuous assessment of skills being acquired through class work, practical & periodic through class work work work with the properties of the practical & periodic through class work with the properties of the practical & periodic through class work with the practical work with the pract gments / project works / tests / orals etc.

Total

60 Hours

40 Hours

gadory journal to be submitted at the end of each term for assessment

erence Books:-

Safety and Survival at Sea, by LEE, ECB & Others, New York, WW Norton and co. Model course crowd management, IMO, London solas (as amended), Sterling Book House Relevant DG Shipping MS notices and training circulars

tem of Question Paper:-

6.3 Pollution drills

idyear B.Sc. Maritime Hospitality Studies)

<u> ony Internal Assessment</u>

old three class tests (of 20 marks each) to be conducted by faculty during the academic year. lotal score of 60 marks of these class tests shall be converted to 20 to next integer for final calculation.

^{Inese class} tests should be conducted after completion of every two units.

- 80 -

tinal Examination Question Paper

Puestions in	FINAL EXA	MINATION (DURATION	3 HOURS)
aninalion Paper	Units	Maximum Marks	Remarks
0-1	1 to 6	20	Short answer type questions. Total 10 sub question of 2 marks each to be attempted from a choice of 15 sub questions

		10	Dosorinti
Q -2		10	Descriptive questions. Two sub attempted from a choice of 3 marks each to be question
Q -3	2	10	attempted from a choice
Q-4	3	10	questions of 5 marks each to be
Q -5	4	10	questions of 5 marks each to be attempted from a choice of 3 nuestion
Q-6	5	10	Descriptive questions. Two sub questions of 5 marks each to be attempted from a choice of 3 sub question
Q-7	6	10	Descriptive questions. Two sub questions of 5 marks each to be attempted from a choice of 3 sub question

Conduct of Practical Examination

<u>Internal</u>

Maximum Marks 25 Duration 2 hrs.

Candidate shall be assessed on the basis of his / her ability to use shipboard computer applicate journals and viva-voce.

External

Maximum Marks 50 Duration 2 hrs.

Candidate shall be assessed by internal faculty and external examiner as follows:

Candidate shall be	assessed by inter	nal faculty and external co	Emergency Drills
Journal	Viva-voce	Shipboard Computer Application	Emergency Dime
10	10	20	10

Internal faculty will assess journal and emergency drills and external examiner will assess in vivo and shipboard computer capitation and shipboard computer application.

PRODUCTION - PAPER III PRODUCTION)

100 Marks Contact Hours 60

object is designed to equip students with the techniques of managing food production subject efficiently and effectively and to train students for bulk and regions in the subject to the subject of hospitality. objectives:subject is aesign and effectively and to train students for bulk and regional Indian cooking in department sectors of hospitality. departing and edifferent sectors of hospitality.

KITCHEN ORGANIZATION AND MANAGEMENT

10 Hours

Kitchen Organization of Star Category Hotels Vs Galley of a First Class Cruise Ships/ Vs uNIT 1 Galley of a Merchant Vessel 1.1

Management of Kitchen of Star Category Hotels Vs Galley of a First Class Cruise Ships/ Vs

Galley of a Merchant Vessel 1.2

records/Approval Maintaining records/Reports/Log Book/Sign-on/ Sign-off Forms/Attendance register/ Standard Recipe file/Accident record/ communication with 1.3 other department/Minutes of Meeting

PRODUCTION MANAGEMENT

10 Hours

IINIT 2 Production Load, Duty Roasters, Task Analysis

Production Planning and scheduling 2.1

2.2 Production Quality and Quantity

2.3 Standard Recipes

2.4 Evolving new recipes and trials 2.5

QUANTITY FOOD PRODUCTION - EQUIPMENT

10 Hours

UNIT 3 Equipment 3.1

Equipment required for mass/volume feeding. 3.1.1

Heat and cold generating equipment 3.1.2

Care and maintenance of these equipments 3.1.3

Modern developments in equipment manufacture 3.1.4

Introduction to Equipment & this layout in larder section 3.1.5

Menu Planning 3.2

Basic principles of menu planning - recapitulation 3.2.1

Points to consider in menu planning for various volume feeding outlets such as industrial, 3.2.2 institutional, mobile catering units.

Planning Menus for 3.2.3

School/ College students

Industrial workers

Hospitals

Outdoor parties

> Theme dinners

> Transport Facilities, cruise lines, airlines, railway

Nutritional factors for the above 3.2.4

QUANTITY FOOD PRODUCTION - PLANNING UNIT 4

10 Hours

Principles of indenting for volume feeding 4.1

- Portion sizes of various items for different types of volume feeding Modifying recipes for indenting for large scale catering 4.2
- Practical difficulties while indenting for volume feeding 4.3
- Principles of planning for quantity food production with regard to: 4.4
- 4.5 Space allocation
 - > Equipment selection
 - > Staffing

VOLUME FEEDING UNIT 5

- Institutional and Industrial Catering 5.1
 - > Types of Institutional and Industrial Catering
 - > Problems associated with this type of coltering
 - Scope for development and growth
- **Hospital Catering** 5.2
 - > Highlights of Hospital Catering for patients, staff, visitors
 - Diet menu's and nutritional requirements
- Off premises catering 5.3
 - Reasons for growth and development
 - ightharpoonup . Menu planning and Theme parties
 - Concept of a central production unit
 - Problems associated with off premises catering
- Mobile catering 5.4
 - > Characteristics of Sea, Airlines and Rail caterings
 - Branches of mobile catering
- Quantity purchase and storage 5.5
 - > Introduction to purchasing
 - Purchasing system
 - Purchase specifications
 - Purchasing techniques
 - Storage

REGIONAL INDIAN CUISINE **UNIT 6**

- Introduction to regional cuisines 6.1
- Heritage of Indian cuisine 6.2
- Factors that effect eating habits in different parts of the country 6.3
- Cuisine and its highlights of different states/ regions/ communities to the discussions. 6.4
 - Geographical location
 - > Historical background
 - Seasonal availability
 - Special equipments
 - > Staple diet
 - Specialty cuisines for festivals and special occasions

ADVANCED FOOD PRODUCTION - PRACTICALS

Auxinal Cuisines)

Marks

75

Contact Hours 120

out of total 12 activities / practical for academic year, 10 activities / practical are compulsory for each student.

ACTIVITY 1

AVADH 1

- a) Tomato Shorba
- b) Murg Wajidali
- c) Malai Kofta
- d) Sheermal
- e) Sevian ka Muzaafar

AVADH 2

- a) Panna
- b) Machchli ka Salan
- c) Paneer Chaman
- d) Tandoori Roti
- e) Phirni

ACTIVITY 2

TAMILNADU I

- a) Rasam
- b) Kozhi Chettinad
- c) Avrakkai Poriyal
- d) Lemon Rice
- e) Paal Poli

TAMILNADU 2

- a) Dosa
- b) Sambar
- c) Erha Kari
- d) Avial
- e) Masaru Anna
- f) Kesari Pysam

ACTIVITY 3

PUNJABI 1

- a) Kanji
- b) Makhani Chooze
- c) Dal Makhni
- d) Kadai Paneer
- e) Tandoori Roti
- f) Kesari Kheer

PUNJABI 2

- a) Aloo Chat
- b) Fish Amratsari
- c) Sarson Ka Saag
- d) Makki ki Roti
- e) Chole Bathure
- f) Gajar Halwa

ACTIVITY 4

KERALA 1

- a) Puli Rasam
- b) Kozhi Varthakari
- c) Kootu
- d) Malabari Paratha
- e) Purupu Pysam

KERALA 2

- a) Appam
- b) Meen Curry
- c) Veg. Stew
- d) Payaru Thoran
- e) Paal Pysam

ACTIVITY 5

HYDERABAD 1

- a) Shammi Kabab
- b) Gosht Banajara
- c) Paneer Pasanda
- d) Saffron PUlao
- e) Qubhani ka Meetha

HYDERABAD 2

- a) Chappali Kabab
- b) Murg Zaffrani
- c) Baghare Baingan
- d) Bakarkhani
- e) Sahi Tukra

ACTIVITY 6

GOA 1

- a) Amboti Saar
- b) Goan Fish Curry
- c) Prawn Balchao
- d) Cabbage Foogath
- e) Rice
- f) Dodal

GOA 2

- a) Chicken Cafareal
- b) Pork Vindaloo
- c) Vegetable Caldien
- d) Sanna
- e) Dosh

ACTIVITY 7

RAJASTHAN 1

- a) Machchli ka soola
- b) Murg ke Boothe
- c) Paneer Mircha
- d) Phulka
- e) Rice
- f) Jalebi

RAJASTHAN 2

- a) Mahi Kabab
- b) Lal Maans
- c) Gatte ka Saag
- d) Pulka
- e) Rice

ACTIVITY 8

BANGALI 1

- a) Nimki
- b) Kosha mangsho
- c) Ghughi
- d) Lucchi
- e) Rice

BANGALI 2

- a) Macher Jhol
- b) Potler Dalma
- c) Cholar Dal
- d) Rice
- e) Rasgulla

ACTIVITY 9

MAHARASHTRA 1

- a) Kokam Saar
- b) Mutton Kolhapuri
- c) Kothambir Vadi Rasa
- d) Thali Pith
- e) Shreekhand

MAHARASHTRA 2

- a) Koshimbir
- b) Kombi Chacooty
- c) Matki Chi Usal
- d) Amti
- e) Pooran Poli

ACTIVITY 10

KARNATAKA 1

- a) Kuduta Saar
- b) Kozhi Curry
- c) Kai Kajpu
- d) Rice
- e) Chiroti

KARNATAKA 2

- a) Tomato Saar
- b) Kori Gassi
- c) Masuru Anna
- d) Masala Badane Kayi
- e) Mysoor Pak

ACTIVITY 11

KASHMIR 1

- a) Kashmiri Shorba
- b) Mutton Roganjosh
- c) Navratan Khorma

- d) Kashmiri Pulao
- e) Machama

KASHMIR 2

- a) Mint Shorba
- b) Murgh Dhaniwal Korma
- c) Dum Aloo Kashmiri
- d) Saffron Pulao

ACTIVITY 12

GUJRAT 1

- a) Patra
- b) Flower and Tamata Shak
- c) Undio
- d) Theplas
- e) Doodha Pak

GUJRAT 2

- a) Dhokla
- b) Vaigan Shak
- c) Gujrathi Kadhi
- d) Poori
- e) Amrakhand

*NOTE: there will be continuous assessment of skills being acquired through class work, practical works / tests / orals etc.

*Laboratory Journal to be submitted at the end of each term for assessment

Reference Books:-

- 1. Professional Cooking, 4th, 1992, John Weily & Sons 605, 3rd Avenue, N. Y.
- Professional Baking, Wayne Gisselen, 2nd, 199, John Weily & Sons 605, 3rd Avenue, N.Y.
- 3. Theory of Catering, Kinton Ceserani, 7th, 1996, Hodder & Stoughton Educational, 338, Eular
- 4. Food Commodities, Bernard Davis, 4th, 1998, William Heinmen Ltd. 15, Queens Street, Mayin
- 5. Basic Cookery The Process Approach, Daniel R. Stevenson, 5th, 1997 Stanley Thomes Lide Station Drive, England.
- 6. Basic Cookery The Process Approach, Daniel R. Stevenson, 5th, 1997,
- 7. Kitchen a float galley management & meal preparation, Joy Smith, 2002, Warsash Nauladia Dibles Road, Warsash, Sonthampton 5031, 9 H2, UK
- 8. Cruising Cuisine, Kay Pastorius, 1997, Warsash Nautical Books 6, Dibles Road, Warsash, South 5031, 9 H2, UK
- 9. The care & feeding of sailing crew, Lin Pardey with Larry Pardey, 1995, Warsash Naulical Book Dibles Road, Warsash, Sonthampton 5031, 9 H2, UK
- 10. Professional Chef, American Culinary Institute, 1996, John liley & sons, New York.
- 11. Theory of Cookery, Krishna Arora, 1988, New Delhi, Frank Bros. & Co. 12. The Art & Science of Culinary Preparation, Jerald W. Chesser, 2003, Education Institute of Miles Culinary Fodoration Institute Culinary Federation.

Medical Assessment

Manual Assessment three class tests (of 20 marks each) to be conducted by faculty during the ocademic year.

Total score of 60 marks of these class tests shall be converted to 20 to next integer for final local light on. iolal score

calculu" should be conducted after completion of every two units.

mination Question Paper

t final Examir	FINAL EXAM	MINATION (DURATION	3 HOURS
avestions in paper	FINAL EXAM	Maximum Marks	Remarks
Questions in Questions paper	1 to 6	20	Short answer type questions. Total 10 sub question of 2 marks each to be attempted from a choice of 15 sub questions
Q-2		staci vavelsa ma	Descriptive questions. Two sub questions of 5 marks each to be attempted from a choice of 3 sub question
Q-3	2	10	Descriptive questions. Two sub questions of 5 marks each to be attempted from a choice of 3 sub question
Q-4	3	10	Descriptive questions. Two sub questions of 5 marks each to be attempted from a choice of 3 sub question
Q-5	4	10	Descriptive questions. Two sub questions of 5 marks each to be attempted from a choice of 3 sub question
Q-6	5	10	Descriptive questions. Two sub questions of 5 marks each to be attempted from a choice of 3 sub question.
Q-7	6	10	Descriptive questions. Two sub questions of 5 marks each to be attempted from a choice of 3 sub question

Conduct of Practical Examination

Assessment of Internal Examination

Maximum Marks 25 Duration 4 hrs.

- Candidate will be given a menu comprising or root district.

 Indent sheets and plan of work sheet to be filled by the candidates of the menu he dishes in the dishes in the gals. Candidate will be given a menu compliance of the dishes and plan of work sheet to be filled by the candidates of the menu he landent sheets and plan of work sheet to be filled by the candidates of the menu he gals. He / she is supposed to collect indents, prepare and present the dishes in the menu he gals. He / she is supposed to stipulated time.

 Cleaning & securing equipment and working area is also to be done within stipulated line.

Personal Grooming	Colour	Consistency	Taste .	Texture
5	5	5	5	5

Assessment for External Examination

Maximum Marks 50 Duration 4 hrs.

Journal	Indent & Plan of work sheet	Colour	Consistency	Taste	Texture	Viva Voce	Personal Groom
5	5	8	7	8	7		Cleaning i Securing

Examination to be assessed by internal faculty and external examiner, Internal faculty shall be coming and securing and se Examination to be assessed by internal racumy and solution and securing and securin

YEAR - III

Marks 100 Contact Hours 60

objectives:-

object helps students, to gain knowledge about various control measures, calculation of break analysis and inventory control of food, beverage (alcoholic and non global) COST DYNAMICS

COST DYNAMICS

COST DYNAMICS

Elements of Cost

10 Hours

UNIT 1 Classification of Cost 1.1

1.2

SALES CONCEPT

UNIT 2 Various Sales Concept Uses of Sales Concept 21

10 Hours

2.2

UNIT 3

F&B CONTROL

Inventory Control

10 Hours

3.1 **Importance** 3.1.1

Objective 3.1.2

Methods 3.1.3

Levels and Techniques 3.1.4

Perpetual Inventory 3,1.5

Monthly Inventory 3.1.6

Pricing of Commodities 3.1.7

Comparison of Physical and Perpetual Inventory 3.1.8

Beverage Control 3.2

Purchasing 32.1

Receiving 3.2.2

3.2.3 Storing

3.2.4 Issuing

3.2.5 **Production Control**

Standard Recipe 3.2.6

3.2.7 Standard Portion Size

3.2.8 Bar Frauds

3.2.9 **Books Maintained**

3.2.10 Beverage Control

3.3 Sales Control

3.3.1 Procedure of Cash Control

3.3.2 Machine System

3.3.3 **ECR**

3.3.4 NCR

3.3.5 Pre Set Machines

3.3.6 POS

3.3.7 Reports

3.3.8 Thefts

3.3.9 Cash Handling

3.4	Budgetary Control
3.4.	, Define Budget
3.4.	" nudgotany CONIFO
3.4.	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
3,4.4	- Mark
3.4.5	r - lare
3.4.6	- Inudant
3,4.7	Cantrol
UNIT	
4.1	Variance Analysis
4.1.1	Standard Cost
4.1.2	Standard Costing
4.1.3	Cost Variances
4.1.4	Material Variances
4.1.5	Labour Variances
4.1.6	Overhead Variances
4.1.7	Fixed Overhead Variance
4.1.8	Sales Variance
4.1.9	Profit Variance
4.2	Break Even Analysis
4.2.1	Breakeven Chart
4.2.2	PV Ratio
4.2.3	Contribution
4.2.4	Marginal Cost
4.2.5	Graphs
UNIT 5	MENU AS A MANAGEMENT TOOL
5.1	Menu Merchandising
5.1.1	Menu Control
5.1.2	Menu Structure
5.1.3	Planning
5.1.4	Pricing of Menus
5.1.5	Types of Menus
5.1.6	Menu as Marketing Tool
5.1.7	Layout
5.1.8 5.2	Constrains of Menu Planning
5.2.1	Menu Engineering
5.2.2	Definition and objectives
5.2.3	Methods
0.2.0	Advantages :
UNIT 6	MIS (MANAGEMENT INFORMATION SYSTEM)
6.1	Reports
6.2	Calculation of Actual Cost
6.3	Daily Food Cost

Monthly Food Cost Statistical Revenue Reports Cumulative and Non Cumulative

6.6 Reference Book:-

6.5

flofessional Food & Beverage Service Management, Brian Varghese

Flood & Beverage Service, Sudhir Andrews FIRST Beverage Service, Dennis Lillicrap, John Cousins Robert Smith, Fifth, 1998, Hodder and Food and Educational, 338 Euston Road, London food and Educational, 338 Euston Road, London Stoughton Educational Guide to Drinks. United St.

the International Guide to Drinks, United Kingdom Bartenders' Guild, 1994, Vermilion, Random House, the International Bridge road, London SW 1V2SA NVauxhall Bridge road, London SW 1V2SA

Nount Go Wrong Book of Drinks, Shatbhi Basu, First, 1999, Business Publications Inc., 229/A, the Cant Raiguru Marg, Girgaon, Mumbai the Colling Rajguru Marg, Girgaon, Mumbai grantiveer Rajguru Marg, Girgaon, Mumbai

World Atlas of Wine, Hugh Johnson, Fourth, 1994, Mitchelle Beazley, Michelin House, 81 Fulham the World SW3 6RB goad, London SW3 6RB

Rood, Loridon Wine Book, Pamela Vinoyke Prile, First, 1984, Allen Lae Penguin Books Ltd. 536, Kings The Fendon SWIO OUH goad, London SWIO OUH

Road, Loridon.

Road, Loridon.

Stuart Walton, First, 1997, Joanna Lorenz Annez Publishing Ltd., Hermes House, 88-Me Back Friars Road, London SEI SHA

The New Wine Companion, David Burroughs and Norman Bezzant, Second, Wine and Spirits

Education in Educa Spiris und Book, Hugh Johnson, Twentieth, 1997, Mitchelle Beazley, Michelin House, 81 Fulham Rocket Wine SW3 6RB Road, London SW3 6RB

1800 Service Facilities and Planning, Edward A Kazarian, Third, 1989, John Wiley and Sons 1600d and Beverage Management, Bernard Davis, Edward Lockwood, Second, 1994, Butterworth

Waiter and Waitres Training Manual, Sandra J. Dalmer, Kurt W. Kohl, Fourth, 1996, John Wiley Marketing by Menu, Nancy Loman Scanlon, Third, 1999, John Wiley How to Manage a successful bar, Christopher Egerton Thomas, 1994, John Wiley

Pattern of Question Paper:-(Third year B.Sc. Maritime Hospitality Studies)

Theory Internal Assessment

- Total three class tests (of 20 marks each) to be conducted by faculty during the acquestic score of 60 marks of those class tests shall be converted to 20 to next integral. Total three class tests (of 20 marks each) to be conducted by laculty during the across tests shall be converted to 20 to next integral.
- These class tests should be conducted after completion of every two units.

Pattern of Final Examination Question Paper

Pattern of Final Examino	FINAL EX		3 HOURS)
Questions in	Units	Maximum Marks '	Short answer
Q -1	1 to 6	20	sub question of 2 marks each
Q -2	er unio met C de labbayosa es	10 leaded than Substitution by an action of the substitution of th	questions of 5 marks each to attempted from a choice
Q -3	2	coate J. Edmarco	questions of 5 marks each to attempted from a choice of augustion
Q-4	3	no constitue de la constitue d	questions of 5 marks each to attempted from a choice of question
Q -5	4	10	Descriptive questions. Iwos questions of 5 marks each t attempted from a choice question
Q -6	5	10	Descriptive questions. Two s questions of 5 marks each t attempted from a choice question
Q -7	6	10	Descriptive questions. Two squestions of 5 marks each attempted from a choice question

ACCOMMODATION & FACILITY MANAGEMENT ACCOMMINIONS MANAGEMENT)

Marks 100 Contact Hours 60

Objectives:-

objective aims to establish the importance of Accommodation and Facility Management within the line of Industry. It also equips the student to acquire knowledge skills necessary to a within the line of the student of aims to discourse aims to discourse aims to discourse all aspects of cost cost and the student to acquire knowledge skills necessary to successfully the required standards in this area and to consider all aspects of cost cost and the standards in the required standards in this area and to consider all aspects of cost cost and the standards in this area and to consider all aspects of cost cost and the standards in this area and to consider all aspects of cost cost and the standards in this area and to consider all aspects of cost cost as the standards in this area and to consider all aspects of cost cost as the standards in this area and to consider all aspects of cost cost as the standards in this area. mis coordinates in this area and to consider all aspects of cost control & establish identity. profitability.

HOIEL - DESIGN & PLANNING

10 Hours

Hotel Design

Design Consideration 1.1

Attractive Appearance 1.1.1

Efficient Plan

Good Location

Suitable Material 1.1.4

Good workmanship 1.1.5

Sound Financing 1.1.6

Competent Management 1.1.7

Interior Decoration 1.1.8

Elements of decoration 1.2

Colour & its role in décor – types of colour scheme 1.2.1

1.2.2 Windows & window treatment

Lighting & lighting fixtures 1.2.3

1.2.4

Floor finisher 1.2.5

Carpets 1.2.6

Furniture & fittings 1.2.7

Accessories 1.2.8

Back Area 1.3

Laundry 1.3.1

Commercial & onsite laundry

Flow process of Industrial at Laundry - OPL

Stages in the wash cycle

Laundry equipment & machines

Layout of the laundry

Laundry Agents

Dry cleaning

Guest laundry / valet service

Stain removal

Staff Locker Room 1.4

Design & layout 1.4.1

Legal Requirements 1.4.2

Receiving Areas 1.5

Design & Layout 1.5.1

PLANNING AND ORGANISING THE HOUSE KEEPING DEPARTMENT

- 94 -

10 Hours

2.1 Area inventory list

2.2 Frequency schedules

Performance and Productivity standards 2.3

Time and Motion study in House Keeping operations 2.4

Standard Operating manuals – Job procedures 2.5

Job allocation and work schedules

	18	1000
2.7	Calculating staff strengths & planning duty rosters, team work and leadershi	, N
2.8 2.9 2.10	Training in HKD, devising training programmes for HK staff Inventory level for non recycled items Budget and budgetary controls	p
2.11 2.12	The budget process Planning capital budget	
2.13 2.14 2.15	Planning operation budget Cperating budget – controlling expenses – income statement Purchasing systems – methods of buying	
2.16 2.17 2.18	Stock records – issuing and control Contract services – advantages & disadvantages Types & guidelines for hiring contract services	
UNIT 3 3.1	FLOWER ARRANGEMENT AND INDOOR PLANTS Flower arrangement in Hotels	
3.2 3.3 3.4	Equipment and material required for flower arrangement Conditioning of plant material Styles of flower arrangements	1014
3.5 3.6	Principles of design as applied to flower arrangement Selection and care	
UNIT 4 4.1 4.2 4.3 4.4	COMPOSTION, CARE AND CLEANING OF DIFFERENT SURFACES Metals Glass Leather, Leatherites, Rexines Plastic	10 Ha
4.5 4.6 4.7 4.8	Ceramics Wood Wall finishes Floor finishes	
5.1 5.2 5.3 5.4	WATER AND WASTEWATER SYSTEMS Outline major water heating concerns and options Identify various water system maintenance concerns Describe issues associated with swimming pool water systems Explain why hospitality operations should implement water conservation practices carefully	10 H ₀
UNIT 6 6.1	ENERGY MANAGEMENT & CONSERVATION General guidelines for entry conservation in Kitchen Maintenance Department	10 Ho
	 nousekeeping Department, Back & front areas F&B Service Other Departments 	
6.2 6.3	Legal requirements for commercial establishment Energy Audits	

of Question Paper:pottern of Question. . aper.
Pottern of B.Sc. Maritime Hospitality Studies)

Third year B.Sc. Maritime Hospitality Studies)

theory Internal Assessment

three class tests/(of 20 marks each) to be conducted by faculty during the academic year. three class of these class tests shall be converted to 20 to next integer for final to be converted to 20 to next integer for final calculation.

These class tests should be conducted after completion of every two units.

al Examination Question Paper

FINAL EXAMINATION (DURATION 3 HOURS)					
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Questions in Examination Paper	Units	Maximum Marks	Remarks		
Examilia.	1 to 6	20	Short answer type questions. Total 10		
		\$ \$4.30 ##	sub question of 2 marks each to be attempted from a choice of 15 sub questions		
Q-2 .	1	10	Descriptive questions. Two sub		
	: Titures	i kingi Barke si Taki ukuri	questions of 5 marks each to be attempted from a choice of 3 sub question		
Q-3	2	10	Descriptive questions. Two sub questions of 5 marks each to be		
J1 (2)			attempted from a choice of 3 sub question		
Q-4	. 3	10	Descriptive questions. Two sub		
30! K			questions of 5 marks each to be attempted from a choice of 3 sub question		
Q-5	4 - 16-	10	Descriptive questions. Two sub questions of 5 marks each to be		
Let's L	n tancal Matter des		attempted from a choice of 3 sub question		
Q-6	5	10	Descriptive questions. Two sub questions of 5 marks each to be attempted from a choice of 3 sub question		
Q-7 ssc	6 M		Descriptive questions. Two sub questions of 5 marks each to be attempted from a choice of 3 sub question		

COST & FINANCIAL MANAGEMENT - PAPER III (FINANCIAL MANAGEMENT)

Objectives:-

This subject is designed to bring awareness of the role of financial management organization, different financial ratios and their implementations and Budgets and brune.

	and building
UNIT 1	FINANCIAL MANAGEMENT Magning And Scope
1.1	Meaning And Scope
1.1.1	Meaning of business finance
1.1.2	Meaning of financial management
1.1.3	Objectives of financial management
1.2	Financial Statement – Analysis and Interpretation
1,2,1	Meaning and types of financial statements
1.2.2	Techniques of financial analysis
1.2.3	Limitations of financial analysis
1.2.4	Practical Problems
UNIT 2	RATIO & FINANCIAL STATEMENT ANALYSIS
21	Ratio Analysis
2.1.1	Meaning of ratio
2.2.2	Classification of ratios
2.2.3	Profitability ratios
2.2.4	Turnover ratios
2.2.5	Financial ratios
2.2.6	Du Pont control chart
2.2.7	Practical Problems
2.2	Funds Flow Analysis
2.2.1	Meaning of funds flow statement
2.2.2	Use of funds flow statement
2.2.3	Preparation of funds flow statement
2.2.4	Treatment of provision for taxation and proposed dividends (as non-current liabilities) Cash Flow Analysis
2.3	Cash Flow Analysis
2.3.1	Meaning of Cash flow statement
2.3.2	Preparation of cash flow statement
2.3.3	Difference between cash flow and funds flow analysis
2.3.4	Preptical problems
UNIT 3	FINANCIAL PLANNING - MEANING AND SCOPE
3.1	Meaning of Financial Planning
3.2	Meaning of Financial Plan
3.3	Capitalization
3.4	Practical Problems

	A OF MUMBAL	YEAR - III
UNIT 4 M	Y OF MUMBAI APITAL EXPENDITURE eaning of Capital Structure actors Determining Capital Structure	10 Hours
4.3 Pr 4.4 W UNIT 5 C 5.1 E	control Indifference point of Indifference pactical Problems ORKING CAPITAL MANAGEMENT poncept of Working Capital pactors determining working capital needs power trading and under trading	10 Hours
UNIT 6 B III 6.1 C C C C C C C C C C C C C C C C C C C	ASICS OF CAPITAL BUDGETING importance of Capital Budgeting capital Budgeting appraising methods eaverage rate return Net Present Value Profitability Index internal Rate of Return Practical Problems	10 Hours

Reference Books:-

1. Financial Management, Viva Books

2. Strategic Financial Management, Deep and Deep Publications

3. Effective Financial Management, Anmol Publications

4. Financial Management, Anmol Publications

5. Financial Management, IM Pandey, Vikas Publishing House (Published: 1999)

6. Financial Management, Agarwal; Banerjee; Pragati Prakashan

7. Financial Management, Kulkarni, P.V; Satyaprasad, B.G; Himalaya Publishing House (Published: 2002)

8. Ratio Analysis for Small Business, Sanzo, Richard; Books for Business (Published: 5/2005

9. Financial Planning and Management, Ghosh, Anmol Publications (Published: 1999)

10. Financial Planning for the Entrepreneur, by Vaughn, Donald E.; Publisher: Prentice Hall (Published: 7/1996)

Pattern of Question Paper:-

(Third year B.Sc. Maritime Hospitality Studies)

Theory Internal Assessment

- Total three class tests (of 20 marks each) to be conducted by faculty during the academic year. Total score of 60 marks of these class tests shall be converted to 20 to next integer for final calculation.
- These class tests should be conducted after completion of every two units.

of Final Examination Question Paper

Questions in	Units	Maximum Marks	Remarks
Examination Paper Q -1	1106	20	short answer type questions. Too sub question of 2 marks each to attempted from a choice state
Q-2		10	questions of 5 marks each to be attempted from a choice at a question
Q-3	2.	10	questions of 5 marks each to be attempted from a choice of 3
Q-4	3	10	Descriptive questions, Iwo sub questions of 5 marks each to be attempted from a choice of 3
Q -5	4	10	Descriptive questions. Two sub- questions of 5 marks each to be attempted from a choice of 3 question
Q-6	5	10	Descriptive questions. Two sub questions of 5 marks each to b attempted from a choice of 3 question
Q-7	6	10	Descriptive questions. Two sub questions of 5 marks each to be attempted from a choice of 3 question

PRINCIPLES OF MANAGEMENT

3.4.2

Basic concepts

Definitions – process and techniques

Marks 100 Contact Hours 60

		Counget Hooks 50
objective	es:-	
0000	ct is designed to enable student to list management objectives and them the concept of total quality management.	
This subject	ct is designed to enable student to list management objectives and them the concept of total quality management.	d managerial functions also
10 1119	MITPODUCTION	
UNIT-1	Introduction :	10.44
1.1		10 Hours
1.2	Orientation to management thought process	
1.3	Evolution – development – school of management Management defined	
1.4		
UNIT 2	ROLE OF MANAGER	
2.1	Professional manager and his tasks	10 Hours
2.2	Manageriai skills – roles – levols	Desarra et Electrica
2.3	Managerial ethics and organizational culture	gunigija salga i " i i jar
2.4	Management process	e educine al la la la
- UNIT 3	MANAGEMENT PROCSSES	
3.1	Planning	10 Hours
3.1.1	Illustrative Case study	
3.1.2	Planning process in detail	
3.1.3	Types and levels of plan	
3.1.4	Why plans fail	
3.1.3	Problem solving and decision making Organizing	
3.2.1		
3.2.2	Organization and organization structure	
3.2.3	Organization chart	
	Principles of organization Scalar principles	
	Departmentation	
	> Unity	
	> Span of control	•
	Centralization and de centralization	
	Authority and responsibility	
	Delegation	
3.3	Leadership	
3.3.1	Definitions	
3.3.2	Leadership Theory	
-10.0	Team Building	
V.4	Controlling	
3.4.1	Basic cananat	

UNIT 4 4.1 4.2 4.3	COMMUNICATION Importance – Message component Modes of communications Listening and listening checks
UNIT 5 5.1 5.2	MANAGEMENT BY OBJECTIVES Definition Process of MBO
6.1 6.2 6.3 6.4 6.5 6.6	Definition Need and importance Criteria for IQM – Leadership Information and analysis, strategic Planning HRD and HRM Process Management business results Customer focus and satisfaction

Reference Books:-

- 1. Principles of Management, Agarwal & Banerjee, Pragati Prakashan
- Principles of Management, Cliffs Notes, Ellen A. Benowitz, Publisher: Cliffs Notes
 Principles of Management, Cliffs Notes
- 3. Principles of Management, R. N. Gupata, S.Chand & Company
- 4. Principles Of Management, N.Kumar, Anmol Publications
- 4. Principles Of Management, N.Kurriai, Alittor of States and Techniques, Nirmal Singh, Deep & Deep Public States of Management: Theory, Practices and Techniques, Nirmal Singh, Deep & Deep Public States of Management For All. IIMS Publications
- 6. Principles of Management For All, IIMS Publications
- 6. Principles of Management and Industrial Psychology, T. A. Sivasubramaniam, T. R. Publication,
 7. Principles of Management and Administration, Chandra Bose, Chandra, Prentice Hall
- 7. Principles of Management and Administration, Chandra Bose, Chandra, Prentice Hall of India
 8. Principles of Management and Administration, Making By Thinking Differently State.
- 8. Principles of Management and Administration Making By Thinking Differently), Srinivas Shirus P. Creativity In Management (Effective Decision Making By Thinking Differently), Srinivas Shirus P. Creativity In Management Deep Publishers

 10. Unlearning The Fifth Discipline: Power Politics And Control In Organnizations, Devi Akelo, 2
- **Publications**

Pattern of Question Paper:-

(Third year B.Sc. Maritime Hospitality Studies)

Theory Internal Assessment

- Total three class tests (of 20 marks each) to be conducted by faculty during the academics Total score of 60 marks of these class tests shall be converted to 20 to next integer for calculation.
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Iq.

pottern of Final Examination Question Paper
FINAL FVA FINAL EXAMINATION (DURATION 3 HOURS) Questions in Examination Paper Units Maximum Marks Remarks 1 to 6 20 Short answer type questions. Total 10 sub question of 2 marks each to be attempted from a choice of 15 sub questions 10 Q-2 Descriptive questions. Two sub questions of 5 marks each to be attempted from a choice of 3 sub question 2 10 Q-3 Descriptive questions. Two sub questions of 5 marks each to be attempted from a choice of 3 sub question 3 01 Q-4 Descriptive questions. Two sub questions of 5 marks each to be attempted from a choice of 3 sub question 4 Q-5 10 Descriptive questions. Two sub questions of 5 marks each to be attempted from a choice of 3 sub question 5 Q-6 10 Descriptive questions. Two sub questions of 5 marks each to be attempted from a choice of 3 sub Q-7 6 10 Descriptive questions. Two sub questions of 5 marks each to be attempted from a choice of 3 sub *auestion*

HUMAN RESOURCE MANAGEMENT

5.2

5.3

5.4

Objectives:
This subject is designed to give students basic knowledge about the field of Human resources in the field of management.

UNI	1 PLANNING PERSONNEL FUNCTION	ace to their
1.1	Planning personnel function	
1.2	Personnel management environment in India	10 H ^{on}
1.3	Para of moreonical attica	"on
1.4	Manpower planning .	
	Macro level scenario of human resource planning	
	Concepts and process of human resource planning	_
	Methods and techniques – demand forecasting	
	Methods and techniques – supply forecasting	
UNIT 2	JOB ANALYSIS AND DESIGN	
2.1	Job analysis	10.
2.2	Job description	10 H ₀₀₁
2.3	Job specification	
2.4	Job evaluation	
2.5	Job evaluation methods	
2.6	Job design	
UNIT 3	ACTION AREA	
3.1	Selection and recruitment	10 Hours
3.2	Induction and placement	Transpired
3.3	Performance appraisal	
3.4	Performance appraisal methods	of the latest to
3.5	Transfer promotion and reward policies	
3.6	Training and development	
	On the job training method	
UNIT 4	MEASUREMENT OF HUMAN RESOURCE PLANNINGS	10 Hours
4.1	Human resource information system	
4.2	Human resource audit	
4.3	Human resource accounting	
UNIT 5	HUMAN RESOURCE DEVELOPMENT	10 Hours
5.1	Introduction to Human Resource Development	

Evolution and importance of Human Resource Management

Human Resource Development Strategies

Human Resource Development culture and Climate

10 Hours

MANAGING CONFLICTS

uNIT 6 personal conflicts

Departmental conflicts 6.1

6.2 Trade Unions

6.3 Employees appraisal and confrontations 6.4

Reference Books:-

HRM In Tourism And Hospitality, Ross Lee, Thomson Learning (Published: 2004)

HRM In Learning (Pinch Analysis at the Speed of Reality, Darin E. Hartley, HRD Press Job Analysis: Methods. Research, and Analysis: Methods. Research

Job Analysis: Methods, Research, and Applications for Human Resource Management in the New

Millennium, Brannick, Michael T.; Levine, Edward L.; Levine, Edward L.; Sage Publications Human Resource Management, Bhattacharyya, Executive Excellence

Human Resource Management, V. K. Sharma, Viva Books

Human Resource Management And Human Relations, V. P. Michael, Himalaya Publishing House

Managing Human Resource, DBN Murthy, UBS Publishers Distributors Ltd.

performance Measurement And Management, Suri, Executive Excellence

Human Resource Management: Principles And Practice, Aquinas, Publisher: Vikas Publishing House (Published: 2005)

Managing People, VSP Rao, Executive Excellence

pattern of Question Paper:-

rundyear B.Sc. Maritime Hospitality Studies)

Theory Internal Assessment

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Pattern of Final Examination Question Paper

FINAL EXAMINATION (DURATION 3 HOURS)					
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Q-1	1 to 6	20	Short answer type questions. Total 10 sub question of 2 marks each to be attempted from a choice of 15 sub questions		
Q -2	paracolitica patrolegas	10	Descriptive questions. Two sub questions of 5 marks each to be attempted from a choice of 3 sub question		
Q -3	2	10	Descriptive questions. Two sub questions of 5 marks each to be attempted from a choice of 3 sub question		
Q -4		10	Descriptive questions. Two sub questions of 5 marks each to be attempted from a choice of 3 sub question		

- 104 -

YEAR

Q-5	4	10	Descriptive questions. Iwo sub questions of 5 marks each to be question Descriptive question
Q-6	5	10	questions of 5 marks each to be
Q-7	6	10	Descriptive questions. Two sub questions of 5 marks each to be attempted from a choice of 3 sub

UNIVERSITY OF MUMBAI SIRATEGIC MANAGEMENT

100 Marks Contact Hours 60

subject is designed to impart knowledge amongst students on different internal and external strategies within an organization, how mission statement are made and external of setting strategies within an organization, how mission statement are made subject is aesigned and external subject is aesigned at a strategies within an organization, how mission statement are made and how spects of setting strategies within an organization, how mission statement are made and how appects of formulated to accomplish mission statement. this of setting statement within an organization, ho ospecies are formulated to accomplish mission statement.

ORGANIZATIONAL STRATEGY UNIT 1 Mission > Mission Statement elements & its importance 1.1 Objectives > Necessity of formal objectives 1.2 Objective Vs goal Strategy Developing strategies 1.3

> Adaptive search Intuition search Strategic factors Picking niches

Entrepreneurial approach

10 Hours ENVIRONMENTAL AND INTERNAL RESOURCE ANALYSIS UNIT 2 Need for environmental analysis 2.1 Key environmental variable factors 2.2 Opportunities & threats 2.3 Internal resource analysis Functional areas resource development matrix 2.4 Strengths & weaknesses 2.5 Personnel Marketing Organization > Finance Production

10 Hours

STRATEGY FORMULATION UNIT 3 Strategy (General) alternatives 3.1

Stability strategies

Expansion strategies

Retrench strategies

Combination strategies

Combination strategies 3.2

Forward integration

Backward integration

Horizontal integration

Market penetration

Market development

Concentric diversification

UNIVERSITY OF MUMBAL AEV# Conglomerate diversification Horizonlal diversification Joint venture Retrenchment Divestiture Liquidation ' Combination STRATEGIC ANALYSIS AND CHOICE (ALLOCATION OF RESOURCES) 10 Hour UNIT 4 Factors influencing choice 4.1 Strategy formulation Input stage 4.2 Internal factor evaluation matrix External factor evaluation matrix Competitive profile matrix Matching stage 4.3 Strength matrix – weaknesses- opportunities- Threats (TOWS) Strategic position & action evaluation matrix (SPACE) Boston consulting group matrix (BCGM) Internal – External matrix Grand strategy matrix Decision Stage 4.4 Quantitative strategic planning matrix (QSPM) POLICIES IN FUNCTIONAL AREAS 10 Hours UNIT 5 5.1 Policy 5.2 Product policies Personnel policies 5.3 Financial policies 5.4 Marketing policies. 5.5 Public relation policies 5.6 STRATEGIC IMPLEMENTATION REVIEW AND EVALUATION 10 Hours UNIT 6 Mckinsey 7-S framework 6.1 Leadership & management Style 6.2 Strategy review and evaluation 6.3 Review underlying bases of strategy Measure organizational performance Take corrective actions

Reference Books:-

- Strategic Management, by Byars, Publisher: McGraw-Hill ISE (Published: 1996)
- Strategic Management, by Pearce; Robinson, Publisher: McGraw Hill
- Strategic Management in Action, by Coulter, Mary K., Prentice Hall (Published: 10/2004)
- Strategic Management Of Energy Conservation, PR Shukhla, Publisher: Oxford & IBH Publishing
- Accounting And Management In Theory And Practice, by Pramanik, Alok Kumar, Deep & De Publishers (Published: 2003) - 107 -

pesigning Knowledge Management Architecture: How To Implement Successful Knowledge pesigning Rith Programs, by Shukla, Archana, Publisher: Response Books (Published: 2003)

Management Programs, by Shukla, Archana, Publisher: Response Books (Published: 2003) 6 Management, by Cherunliam, Francis; Himalaya Publishing House

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Questions in xamination Paper	Units	Maximum Marks	Remarks
Q-1	1 to 6	20	Short answer type questions. Tetal 10 sub question of 2 marks leach to be attempted from a choice of 15 sub questions.
Q -2		10	Descriptive questions. Two sub- questions of 5 marks each to ze- attempted from a choice of 3 sub- question
Q -3	2	10	Descriptive questions. Two suc questions of 5 marks each to ze- attempted from a choice of 3 suc question
Q -4	3	10	Descriptive questions. Two sub- questions of 5 marks each to the attempted from a choice of 3 sub- question
: Q -5	4	10	Descriptive questions. Two suc questions of 5 marks each to the attempted from a choice of 1 11.0 question
Q -6	5	10	Descriptive questions. Two suc questions of 5 marks each to ze- attempted from a choice of 1 s.c question
Q -7	6 sus allacen ocs	10	Descriptive questions. Two sucquestions of 5 marks each to ze attempted from a choice of 3 storquestion

UNIVERSITY OF MUMBAL

PROJECT

Marks

Contact Houn

Objective:-

- To familiarize the students with data collections, interpretation and analysis
- To tamiliarize the stoderns that
 To train student for developing a presentation based on the project undertaken

Candidates have to submit a Project in any of the core subject under the guidance of respective faculty; the project shall be based on research methodology taught in the theory class to proper students on how to approach the subject of Research Project. Inputs can be given to the students during the institute tenure.

UNIT 1	INTRODUCTION TO PROJECT WRITING Meaning and objectives of project	ę H ^{ont}
1.2	Types of project	
1.3	Project approaches	THE RESERVE
1.4	Criteria of good research	
1.5	Problem faced by researches	
1.6	Pictorial Representation and Interpretations	
UNIT 2	PROJECT DESIGN	4 Hours
2.1	Meaning and need for project design	
2.2	Features and important concept relating to project design	
2.3	Different project design	
2.4	Important experimental designs	
UNIT 3	METHODS OF DATA COLLECTION	2 Hours
3.1	Collection of primary data	
3.2	Different methods to collect secondary data	
UNIT 4	REPORT PRESENTATION TECHNIQUE	48 Hours
4.1	Compilation of report	
4.2	Presenting the report	
4.3	Group Discussion	e modeline i i i
UNIT 5	SUBMISSION OF PROJECT	
3,111 3	Sommonon of Thoses	

NOTE: Classes for unit 1, 2 & 3 shall be conducted at the beginning of the academic year only and offer that students will be given time (48 hrs.) to make their projects.

Candidate is required to submit his/her project report in duplicate one month prior to final examinations.

One copy will be kept with the college for future references/ guidelines.

Candidate will be adjured on the basis of project report, presentation, group discussion and viva.

Rojects Evaluation

Marks 50 protion 2 hrs.

performance of candidate shall be assessed on the basis of

a) Report

b) Presentation

c) Group Discussion

d) Interview / Viva voce

Grades to be awarded to candidate on the basis of percentage of marks he / she scores is as

follows -	0-08-00		
Grade	Marks		
0	≥ 90%		
A+	>90 ≥ 80%		
A	>80 ≥ 70%		
B+	>70 ≥ 60%		
В	>60 ≥ 50%		
С	< 50%		

UNIVERSITY OF MUMBAL

INDUSTRIAL TRAINING

Objective of industrial interface is to provide to students the feel of the actual working environment of practical knowledge and skills, which in turn will motivate, develop and build their confinence to develop and build their confinence to provide the students the basis to identify their key confinence. Objective of industrial interface is to provide to students the reer of the action working environment to gain practical knowledge and skills, which in turn will motivate, develop and build their on the students the basis to identify their key operated to provide the students the basis to identify their key operated. Objective of industrial interrace is 10 p. ... to gain practical knowledge and skills, which in turn will monvaire, actions and build their confinent interface is also expected to provide the students the basis to identify their key onlines.

1.

- Should be punctual.
- 2 Should maintain the training loabook up-to-date.
- Should be attentive and careful while doing work. 3
- Should be keen to learn and maintain high standards and quality of work, 4
- 5 Should interact positively with the organization staff.
- Should be honest and loyal to the organization and towards their training. 6
- Should be nonest and toyal to the organization the HOD's or training manager.

 Should get their appraisals signed regularly from the HOD's or training manager. Should get their appraisals signed regularly multiples in the specifical signed regularly multiples in the specifical signed regularly in the specifical signed regularly in the specifical services regularly. 7
- 8
- 9
- Should attend the training review sessions / Classes . Should should face them positively. 10 11
- Should adhere to the prescribed training scribbases.

 Should take the initiative to do the work as training is the only time where you can g 12
- maximum exposure.

 Should, on completion of Industrial Training, handover all the reports, appraisals, logby, 13

2. RESPONSIBILITIES OF THE INSTITUTE

- Should give proper briefing to students prior to the industrial interface
- Should make the students aware of the industry environment and expectations, 2
- Should coordinate regularly with the Organization especially with the training manager. 3
- 4 Should take proper feedback from the students after the training.
- Should take proper recupuck from the appraisals, attendance, marks, logbook and training the students about the appraisals, attendance, marks, logbook and training the students about the appraisals, attendance, marks, logbook and training the students about the appraisals, attendance, marks, logbook and training the students about the appraisals, attendance, marks, logbook and training the students about the appraisals, attendance, marks, logbook and training the students about the appraisals, attendance, marks, logbook and training the students about the appraisals, attendance, marks, logbook and training the students about the appraisals, attendance, marks, logbook and training the students about the appraisals, attendance, marks, logbook and training the students about the appraisals, attendance, marks, logbook and training the students are students. 5
- Should ensure that change of organization is not permitted once the student has been 5 interviewed, selected and has accepted the offer.
- Should ensure trainees procure training completion certificate from the organization before joining institute.
- The institute should ensure that the trainees visit Ships as often as possible but minimum the 8 times with the view to giving them an exposure to the actual conditions and works atmosphere onboard the ship.

3. RESPONSIBILITIES OF THE HOSPITALITY INDUSTRY

First exposure: A young trainee's first industry exposure is likely to be the most influential in that person career. If the managers / supervisors are unable or unwilling to develop the skills young trainees need to perform effectively, the latter will set lower standards than they are capable of achieving, their st images will be impaired, and they will develop negative attitudes towards training, industry, and industry. probability - their own careers in the industry. Since the chances of building successful careers in the industry will decline, the trainees will leave in hope of finding other opportunities. If on the other had first managers/supervisors help trainees achieve maximum potential, they will build the foundations for successful career.

Note: The guide associated with Industrial interface should be of Assistant Manager and above round to the state of the st Human Resource / Training or any operational department where candidate is undergoing his / htt training.

	Particulars	6	5	4	3	2	1
	Attendance						
- 1	Punctuality						
- 1	Ability to learn					7 1 1	
- 1	Team Spirit						
1	On the Job Performance			Tu II			
1	Hygiene and cleanliness of the area	91, 43			 F		
1	Grooming	1					
1	General Discipline					1	
1	Communication abilities		12.11.	5 1 2	1	1	
1	Motivation Level	-	To the same			1	
-	Ability to take responsibilities	L L			-	1	
1	Planning Skills				-		
1	Attitude			B, 1, 1			
	Marks to be aw	ARDED BY INST	TITUTE				
	Subject knowledge (marks out of 10)			4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	Training Report (marks out of 12)						377
lv	Note : Rating 6 is for outstanding, 5 for excell	ent, 4 for ve	ery good,	3 for go	od, 2 for	fair, 1 fe	or poo
dly	Training Report (marks out of 12) Note: Rating 6 is for outstanding, 5 for excell	ent, 4 for ve	ery good,	3 for go	od, 2 for	fair, 1 fo	or

Name & Signature of Appraiser

Seal of Organisation

ANNEXURE-I

Equipments (Area/ Laboratory wise) - Mandatory

Sr. No.	Particulars/ Equipments	1
1	AUDIO VISUAL ROOM (F.Y,S.Y & T.Y)	Q
1,	TV Color (Minimum 21") with Trolley	1
2.	DVD/VCD Player	1
3.	OHP	1
4.	LCD Projector	1
5.	Computer/ Laptop with Multimedia Support	1
11	COMPUTER LAB (S.Y, & T.Y)	1
6	Server	1
7	Computers with P4 processor	1
8	LAN Networking	20
9	UPS (As per the requirement) Recommended	
III	ACCOMMODATION & FACILITIES MANAGEMENT LAB (F.Y & S.Y)	
10	Mock Guest Room	-
11	Color TV with Remote	
12	Wooden Cabinet	-
13	Cupboard/ Almirah	!
14	Life Jackets	1
15	Safety Helmet	2
16	Bed Linen	2
17	Small Carpet	1
18	Luggage Rack	1
19	Chair	
20	Writing Table	
21	Table Lamp	+
22	Bedside Lamp	1
23	Single Beds & Mattress	2
24	Blankets	2
25	Pillows/Pillow Slips	2
26	Small Cushions	3
27	Upholstered Sofa	1
28	Upholstered Chair	2
29	Big Cushion:	5
30	Wall Hangings	7
31	Fire Extinguisher	1
32	Laundry Linen Cart	2
33	Chamber Maid Trolley	1
34	Mockup Guest Bathroom with Wash Basin Counter, WC, Bath tub, Mirror and Guest supplies	1 Eac
	BUNKER BED	157
35	Single Beds & Mattress	2
36	Working Table	1

UNIVERSITY OF MUMBAI

ANNEXURE-I

Sr. No.	Particulars/ Equipments Chair	Qty.
37	Cupboard	1
38	Shower Curtain	
39	Bed Linen	1
40	MOCK LAUNDRY SET UP	1 set
41	Cupboard With Racks	
42	Ironing Board	
43	Ironing Table	1
44	Stainless Steel Working Table	1
45	Linen Cart	1
46	Washer Extractor/Dryer	2
, 40	EQUIPMENTS / CHEMICALS	1
47	Commercial Wet and Dry Vacuum Cleaner (With attachments)	1
48	Commercial Scrubbing cum Polishing Machine (With attachments)	1
49	Cleaning Agents (R1 to R9)	-
50	Chemicals for spotting (as per syllabus)	
IV	ADVANCE TRAINING KITCHEN	1
1.	S. S. Work Table	1
2.	S. S. Work Station with Gas Stove	10
3.	Deep Fridge	1
4.	Hot Plate	8
5.	Griller	1
6.	S. S. Sink with Tap	4
7.	Chopping Board .	10
8.	S.S. Container (different sizes)	30
9.	Aluminum Kadai	10
10.	Gastronomical Pans	20
11.	S.S.Thali	10
12.	Juice Strainer	10
13.	Colander	10
14.	Potato Masher	10
15.	Grate	10
16.	Rolling Pin	10
17,	Oil Dispenser	10
15.	Wire Whisk	10
	Tong	10
120	Slicer	10
	Jhara	10
les de same	Perforated Spoon	10
	Flat Spoon	10
17 110000	Rice Spoon	10

ANNEXURE-I

UNIVERSITY OF MUMBAI

Sr. No.	Particulars/ Equipments	Qty.
25.	Ladles (different sizes)	20
26.	Frying Pan	10
V	BASIC TRAINING KITCHEN	
1.	S. S. Work Table	1
2.	S. S. Work Station with Gas Stove	10
3.	Deep Fridge	1
4.	Hot Plate	8
5.	Griller	1
6.	S. S. Sink with Tap	4
7	Chopping Board	10
8.	S.S. Container (different sizes)	30
9.	Aluminum Kadai	10
10.	Gastronomical Pans	20
11.	Juice Strainer	10
12.	Colander	10
13.	Potato Masher	10
14.	Grate	10
15.	Rolling Pin	10
16.	Oii Dispenser	10
17.	Wire Whisk	10
18.	Tong	10
19.	Slicer	10
20.	Jhara	10
21.	Perforated Spoon	10
22.	Flat Spoon	10
23.	Rice Spoon	10
24.	Ladles (different sizes)	10
25.	Frying Pan	20
VI	BAKERY (S.Y)	- 20
1.	Fridge	1
2.	Salamander	
3.	Dough kneader with attachments	
4.	Double deck oven	1
5.	Gas Range (05 Burner)	
6.	S. S. Almirah	
7,	Moulds (as per batch size)	
8.	Cutters (as per batch size)	
9.	Nozzles and piping bags	11 000
10.		1 set eac
11.	Trays (as per batch size)	-
VI!	Cake stand	1
	TRAINING RESTAURANT (F.Y & S.Y)	0 19 100
1.	Fridge (Small)	1
2.	Ice Cube Machine	1

ANNEXURE-I

r. No.	Particulars/ Equipments	Qty.
3.	Micro wave oven	1
4.	Hot Case	1
5.	Gas Range (05 Burner) / Gueridon trolley Bar chairs	
6.		3
7.	Wooden Bar Counter	1 .9 1 - 1 -
8.	Wine Stand	1
9.	Cocktail Shaker	1
10.	Wine Bucket	1
11.	Wooden Almirah with shelf	1 1
12.	Service Table / Side Board	2
13.	Bar Display	1
14.	Restaurant Table / chairs	20
15.	Dinner Plate (Ceramic)	20
16.	Quarter Plate (Ceramic)	20
17.	Soup Bowl (Ceramic)	20
18.	Soup spoon	20
19.	B'fast Tray (Anti skid) Black	6
20.	B'fast Tray (White)	6
21.	Red Wine Glass	12
22.	Hi Ball Glass	20
23.	Tom Collins Glass	22
24.	Rolly Polly Glass	20
25.	Champagne Saucer	20
26.	old Fashioned Glass	20
27.	Champagne Tulip	20
28.	white wine Glass	20
29.	Beer Mug	20
30.	Crab cracker	
31.	6 cup Tea pot	4
32.	Cup & saucer (Ceramic)	20
33.	Milk pot	6
34.	Sugar pot	6
35.	A.P.knife	20
36.	A.P.Spoon	20
37.	A.P.Fork	20
38.	Menu Stand S.S	8
39.	Oyster Knife	1
40.	Fish fork	20
41.	fish Knife	20
VIII	WARE WASHING (F.Y, S.Y & T.Y)	
1.	Dish Washer	
2.	Geyser	manufactured and a solution and
3.	S. S. Rack (03 Shelf)	2

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NIVER	SITY OF MUMBAI	ANNEXURE
	Particulars/ Equipments	
Sr. No.		Q d
4.	S. S. Crockery Stand	
5.	3 Bin Sink with tap	
6.	Cleaning Chemicals LIFE SAVING APPLIANCE (F.Y. & T.Y.)	
IX	LIFE SAVING AFTERWAY	
1.	Life boat	-
2.	Inflated life raft on display Complete set of life raft equipment	i
3.	Complete set of life boat equipment	-
4.	Complete set of the bodies 4	
5.	Immersion suits	2
6.	Life jackets	10
7.	Thermal protective aids	2
8.	Retro reflective tapes	
9.	Hydrostatic release unit (HRU)	1
10.	Lifebuoys	4
11.	Man overboard markers	2
12.	Self igniting lights	2
13.	EPIRB (Model)	
X	FIRE FIGHTING APPLIANCE (F.Y. & T.Y.)	
1.	Dummies for search and rescue procedures	2
2.	Fire hoses- 64mm	4
3.	Four nozzles (2 jet, 2 dual purpose)	
4.	Mechanical foam guns	4
5.	Pressurized water extinguishers	4
6.	Foam extinguishers	4
7.	4.50 kg D.C.P extinguisher	1
8.	10 kg D.C.P extinguisher	1
9.	6.8 kg CO2 extinguisher	2
XI	MEDICAL FIRST AID (MFA) (F.Y.)	
1.	SART (Model)	
2.	Neil Robertson Stretcher	4
3.	First aid kit	
4.	Various spiints and bandages	
5.	Resuscitation kit	
6.	Emergency escape birthing apparatus (EEBD)	
	ENGINE ROOM EQUIPMENT (F.Y.)	
XII	Lubricating Oil/ D.O/ H.O separator	
2.	Boiler gauge glass	
3.	Centrifugal pump	
4.	Reciprocating pump	
5.	Gear pump	
6.	Vane pump	
7.	Screw pump	

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IVERS	Particulars/ Equipments	Qty.
No.		
-	luice valve	
y. B	outterfly valve	
10.	Duick closing valve	
11.	hip side overboard valve	
12.	afety valve	
10.	Reducing valve	
14.	silge Strum box	
10.	SAFETY MAINTENACE (F.Y. & T.Y.)	100
	Safety helmets	10
	Goggles	10
	Safety Gloves	10 pairs
	Earmuffs .	10
4.	Dust masks	1,
٠.		
	Safety Harness ENCLOSED COMPARTMENT ENTRY EQUIPMENT (F.Y. & T.Y.)	
VI.		1
	Explosimeter	1
	Oxygen analyzer	1
•	Hydro carbon detector	
-	DISPLAY (F.Y., S.Y.& T.Y.)	
	World Maps	_
2.	Model of Ships	
3.	Wall mounted photographs of ships and ports	
ΧV	Documents (F.Y.)	
1	Official Log book	
2.	Articles of agreement	
XVI	ROPES (F.Y.)	
1.	Manila Ropes (Various sizes)	
2.	Synthetic Ropes (Various Sizes)	
3.	Steel wire ropes (Various Sizes)	-,
4.	Seizing twine and seizing wire	
5.	Heaving lines	
6.	Ropes and wire stoppers	
XVII	Maintenance Equipment (F.Y. & T.Y.)	
1.	Chipping hammers, Scrapers and wire brushes	
2.	Paint brushes (various sizes and types)	
XVIII	LADDER (F.Y. & T.Y.)	
1.	Pilot ladder rigged up for practice	
2.	Jacob's (Coolie) ladder rigged up for practice	- 1
XIX	IN-HOUSE SAFETY EQUIPMENTS (MANDATORY) (F.Y., S.Y. & T.Y.)	-
1.	Demonstration Table	1
XX	Sounding Equipments (F.Y. & T.Y.)	
1.	UTI Tape - 118-	

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ANNEXURE-I

-	Particulars/ Equipments	
Sr. No.	Ullage Tape	O.
3.	Sounding rod (3.17)	
4	GMDSS TUTOR TRANSAS (103 million transas U.K NT PRO 4000 , version 4.60) simulator	
5	Projectors	1
6	IDS Hospitality Software	5
7	IDS Hospitality Softwore	

TUITION FEES CALCULATION

FEES FOR FIRST YEAR B.Sc. MARITIME HOSPITALITY STUDIES Maritime Studies Faculty A) Part Time Food Production Faculty 1/2 Full Time 1 Food & Beverage Faculty Part Time. Room Division Faculty 1/2 Part Time 1/2 Financial Management Part Time 1/2

Total 3 Faculties $3 \times 22,500$ /- (approx.) $\times 12 \div 40 =$

Rs. 20,250/- per student

Exam Fees B)

Faculty

Rs. 1,000/- per student

- Laboratory Charges C)
 - a) Food Production 22 practicals @ Rs. 180/- for raw material and Rs. 36/- for fuel and replenishments $= 216 \times 22 = 475 \frac{1}{2}$
 - b) Food & Beverages for consumables and replenishments = 1,200/-
 - c) Accommodation & Facility Management Cleaning materials, chemicals & replenishments = 1,800/-
 - d) Maritime Studies Practicals = 3,250/-

(Total a + b + c+d)

Rs 11,002/- per student

D) * Administrative Cost

Rs. 8,600/- per student

Total A + B + C + D

Rs. 40,852/- per student

Proposed fees for 1st Year = Rs. 40,000/-

^{*}Summary of Operational Cost & Administrative Cost is given in Annexure – III

FEES FOR SECOND YEAR B.Sc. MARITIME HOSPITALITY STUDIES

A) Tuition fees

Maritime Studies lecturer Part Time
Food Production Faculty Part Time
Food & Beverage Faculty Part Time
Part Time
Part Time
Part Time
Part Time
Part Time

Total 1½

11/2 x 22,500/- x 12 ÷40

 $= Rs \frac{10,125}{Rs.} \frac{per_{sh}}{1,000/\sqrt{per_{sh}}}$

- B) Exam Fees
- C) Laboratory Charges

 (a) Food Production

 24 practicals @ Rs. 216/- +

 Fuel & consumables @ 36 = 252

 24 x 252 = Rs. 6,048/-
 - (b) Food & Beverages Rs. 3,500/ Consumables & bar supplies
 - (c) Accommodation & Facility Management
 Rs. 1,200/-
 - (d) Bakery & Confectionary 19 practicals @ Rs. 144/- + Fuel & Consumables 24 = 168 19 x 168 = Rs. 3,192/-
 - (e) I.T.A. Practicals = Rs. 2,400/-

(Total a + b + c + d + e) = Rs. 16,340/- per stuff D) * Other operational cost = Rs. 9000/- per stuff Total A + B + C + D Rs. 36,465/- per stuff

Proposed Fees for 2nd Year - 36,000/-

* Summary of Operational Cost & Administrative Cost is given in Annexure-III

INVERSITY OF MUMBAI FEES FOR THIRD YEAR B.Sc. MARITIME HOSPITALITY STUDIES

D)	(b) Simulator Training & Rs. 8,000/- (Total a + b) * Other operational cost Administrative Cost		=	Rs. 14,000/- per student Rs. 5,000/- per student Rs. 33,500/- per student
	Rs. 8,000/-	Drills =	=	
	(b) Simulator Training & Rs. 8,000/-	Drills =		
	23 practicals @ Rs. 228/- Fuel & consumables @ I 22 x 264 = Rs. 6,000/	$cc{1}{cc{1}{cc{1}{3}}} cc{1}{cc{1}{3}} cc{1} cc{1}{cc{1}{3}} cc{1}{cc{1}{3}} cc{1}{cc{1}{3}} cc{1} cc{1}{cc{1}{3}} cc{1} cc{1}{cc{1}{3}} cc{1} cc{1}{3} cc{1} cc$		
C)	Laboratory Charges (a) Food Production			
B)	Examination Fees		=	Rs. 1,000/- per student
	(2 x 22,500 x 12÷ 40)		=	Rs. 13,500/-per student
	Vianus	otal	2	regular a uniferial de la
	Food & Beverage Faculty Accommodation & Facility Acapagement		1 1/2 1/2	
	Tuition fees Studies Faculty	Part Time	1/2	

Proposed fees for 3rd year - 33,000/-

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^{*}Summary of Operational Cost & Administrative Cost is given in Annexure - III

OPERATIONAL COST FOR FIRST YEAR B.Sc. MARITIME HOSPITALITY STUDIES

 a) Visiting Faculty for allied subjects Food Safety & Sanitation - 60 hrs. Nutrition & Food Science - 60 hrs. Communication Skills - 60 hrs. - 180 hrs.

Total

Rs.2,700/- per student

@ Rs. 600*180 = 1,08,000

b) Laboratory Attendants -

1,36,000/-

two numbers 2 Peon

1,00,000/-

2,36,000/-

Total Total a + b

Rs. 8,600/- per student

Rs.5,900/- per student

OPERATIONAL COST FOR SECOND YEAR B.Sc. MARITIME HOSPITALITY STUDIES

OPERATION	R B.Sc. MARITIME HOSPITALITY STUDIES
Visiting Faculty for allied subjects Soft Skills Communication Entrepreneurship Total Rs. 600/- per hr. = 1,44,000/-	Rs.3,600/- per student(A)
c) Laboratory Attendants	Pc 5 4007
1 for Dakery 70,000/-	Rs.5,400/- per student(B)
1 for ITA - 78,000/-	No 2028 Billion III III II Britaniy Zonyay yaribi ya ili ili ili ili ili ili ili ili ili il
Peon - 60,000/-	
Total - 2,16,000/-	
Total a + b	Rs. 9,000/- per student

OPERATIONAL COST FOR THIRD YEAR B.Sc. MARITIME HOSPITALITY STUDIES Rs.2,700/- per student Rs.2,700/- per student

a) Visiting Faculty for allied subjects Principles of Management - 60 hrs.

Human Resource

Management

- 60 hrs.

Strategic Management - 60 hrs.

- 180 hrs. Total

@ Rs. 600/- per hr. = 1,08,000/-

b) Instructors & Office Staff

84,000/-

Laboratory Assistant Placement & Training Officers - 1,44,000/-

2,28,000/-

Total

Rs. 2;100/- per student

Rs. 4,800/- per student

JOB OPPORTUNITIES

There are ample job opportunities at sea in merchant vessels as well as passenger and cruise ships, where the starting salary ranges from U.S \$ 500- 900. If a candidate decides to retire from sea life, there are opportunities available for him on shore, because degree, being a higher level qualification, the industry will gladly accept these candidates.

This course shall be reviewed after every three years.