

University of Mumbai



AAMS_UGS /ICC/2024-25/171

CIRCULAR:-

Sub :- B.Voc (Nursing & Hospital Management).

All the Principals of the Affiliated Colleges, the Heads of the University Departments and Directors of the recognized Institutions in Faculty of *Science & Technology* are hereby informed that the recommendations passed by the Board of Deans at its meeting held on 27th October, 2023 vide item No. 7.2 (N) have been accepted by the Academic Council at its meeting held on 1st November, 2023, vide item No. 7.2 (N) and subsequently approved by the Management Council at its meeting held on 20th November, 2023 vide item No. 7 and that in accordance therewith, in exercise of the powers conferred upon the Management Council under Section 74(4) of the Maharashtra Public Universities Act, 2016 (Mah. Act No. VI of 2017) the Ordinance **6886 & 6887 Regulations 9717 to 9720** and the syllabus of **B.Voc (Nursing & Hospital Management) (Sem I to VI) (CBCS)** has been introduced and the same have been brought into force with effect from the academic year 2023-24, accordingly.

(The circular is available on the University's website www.mu.ac.in).

MUMBAI - 400 032
30th September, 2024


(Dr. Prasad Karande)
REGISTRAR

A.C/7.2 (N)/1/11/2023.
M.C/7/20/11/2023.

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Copy forwarded with Compliments for information to:-

- 1) The Chairman, Board of Deans
- 2) The Dean, Faculty of Science & Technology,
- 3) The Chairman, Board of Studies,
- 4) The Director, Board of Examinations and Evaluation,
- 5) The Director, Board of Students Development,
- 6) The Director, Department of Information & Communication Technology,
- 7) The Co-ordinator, MKCL.

Copy forwarded for information and necessary action to :-	
1	The Deputy Registrar, (Admissions, Enrolment, Eligibility and Migration Dept)(AEM), dr@eligi.mu.ac.in
2	The Deputy Registrar, Result unit, Vidyanagari drresults@exam.mu.ac.in
3	The Deputy Registrar, Marks and Certificate Unit,. Vidyanagari dr.verification@mu.ac.in
4	The Deputy Registrar, Appointment Unit, Vidyanagari dr.appointment@exam.mu.ac.in
5	The Deputy Registrar, CAP Unit, Vidyanagari cap.exam@mu.ac.in
6	The Deputy Registrar, College Affiliations & Development Department (CAD), deputyregistrar.uni@gmail.com
7	The Deputy Registrar, PRO, Fort, (Publication Section), Pro@mu.ac.in
8	The Deputy Registrar, Executive Authorities Section (EA) eau120@fort.mu.ac.in He is requested to treat this as action taken report on the concerned resolution adopted by the Academic Council referred to the above circular.
9	The Deputy Registrar, Research Administration & Promotion Cell (RAPC), rapc@mu.ac.in
10	The Deputy Registrar, Academic Appointments & Quality Assurance (AAQA) dy.registrar.tau.fort.mu.ac.in ar.tau@fort.mu.ac.in
11	The Deputy Registrar, College Teachers Approval Unit (CTA), concolsection@gmail.com
12	The Deputy Registrars, Finance & Accounts Section, fort draccounts@fort.mu.ac.in
13	The Deputy Registrar, Election Section, Fort drelection@election.mu.ac.in
14	The Assistant Registrar, Administrative Sub-Campus Thane, thanesubcampus@mu.ac.in
15	The Assistant Registrar, School of Engg. & Applied Sciences, Kalyan, ar.seask@mu.ac.in
16	The Assistant Registrar, Ratnagiri Sub-centre, Ratnagiri, ratnagirisubcentar@gmail.com
17	The Director, Centre for Distance and Online Education (CDOE), Vidyanagari, director@idol.mu.ac.in
18	Director, Innovation, Incubation and Linkages, Dr. Sachin Laddha pinkumanno@gmail.com
19	Director, Department of Lifelong Learning and Extension (DLLE), dlleuniversityofmumbai@gmail.com

Copy for information :-	
1	P.A to Hon'ble Vice-Chancellor, vice-chancellor@mu.ac.in
2	P.A to Pro-Vice-Chancellor pvc@fort.mu.ac.in
3	P.A to Registrar, registrar@fort.mu.ac.in
4	P.A to all Deans of all Faculties
5	P.A to Finance & Account Officers, (F & A.O), camu@accounts.mu.ac.in

To,

1	The Chairman, Board of Deans pvc@fort.mu.ac.in
2	Faculty of Humanities, Dean 1. Prof.Anil Singh Dranilsingh129@gmail.com Associate Dean 2. Dr.Suchitra Naik Naiksuchitra27@gmail.com 3.Prof.Manisha Karne mkarne@economics.mu.ac.in
	Faculty of Commerce & Management, Dean 1. Dr.Kavita Laghate kavitalaghate@jbims.mu.ac.in Associate Dean 2. Dr.Ravikant Balkrishna Sangurde Ravikant.s.@somaiya.edu 3. Prin.Kishori Bhagat kishoribhagat@rediffmail.com

	Faculty of Science & Technology Dean 1. Prof. Shivram Garje ssgarje@chem.mu.ac.in Associate Dean 2. Dr. Madhav R. Rajwade Madhavr64@gmail.com 3. Prin. Deven Shah sir.deven@gmail.com
	Faculty of Inter-Disciplinary Studies, Dean 1. Dr. Anil K. Singh aksingh@trcl.org.in Associate Dean 2. Prin. Chadrashekhkar Ashok Chakradeo cachakradeo@gmail.com
3	Chairman, Board of Studies,
4	The Director, Board of Examinations and Evaluation, dboee@exam.mu.ac.in
5	The Director, Board of Students Development, dsd@mu.ac.in@gmail.com DSW directr@dsw.mu.ac.in
6	The Director, Department of Information & Communication Technology, director.dict@mu.ac.in

University of Mumbai



Syllabus for
B.Voc. (Nursing and Hospital Management)
Semester – I to VI
(Choice Based Credit System)

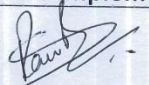
(Introduced from the academic year 2022-23)

University of Mumbai



Syllabus for Approval

Sr. No.	Heading	Particulars
1	O: <u>6886</u> Title of Course	B.Voc. (Nursing and Hospital Management)
2	O: <u>6887</u> Eligibility	H.S.C. in any stream or equivalent
3	R: <u>9717</u> Duration of Course	3 Years
4	R: <u>9718</u> Intake Capacity	120
5	R: <u>9719</u> Scheme of Examination	Semester pattern
6	R: <u>9720</u> Standards of Passing	Minimum 40% in all subjects
7	No. of years/Semesters:	3 Years or 6 semester (2 semester per year)
8	Level:	P.G. / U.G./ Diploma / Certificate (Strike out which is not applicable)
9	Pattern:	Yearly/ Semester (Strike out which is not applicable)
10	Status:	Revised / New (Strike out which is not applicable)
11	To be implemented from Academic Year :	From Academic Year: 2022-2023


Sign of Offg. Associate Dean
 Dr. Ravikant B. Sangurde
 Faculty of Commerce & Management


Sign of Offg. Dean,
 Prof. Kavita Laghate
 Faculty of Commerce & Management

K. Sangurde

Preamble

1) Introduction:-

O. Title of Course : B.Voc in Nursing and Hospital Management

O. Eligibility : H.S.C. in any stream or equivalent

R. Admission Procedure : As per The University of Mumbai guideline

R. Term : 6

R. DURATION:- 3 Years

R. NUMBER OF STUDENTS (Intake Capacity) : 120

R. SCHEME OF EXAMINATION : Semester Pattern

2) Aims and Objectives:-

- To provide judicious mix of skills relating to a profession and appropriate content of General Education.
- To ensure that the students have adequate knowledge and skills, so that they are work ready at each exit point of the programme.
- To provide flexibility to the students by means of pre-defined entry and multiple exit points.

3) Learning Outcomes :-

- This course is designed to enable students to acquire knowledge and competencies in areas of administration, and management of hospital.

- Further prepares the students to develop leadership competencies and perform their role as effective leaders in an organization.
- To help students to develop an ability to meet the basic health need of patient with regard to nursing care.
- Develop skill in the competencies required for rendering effective patient care
- To help the students to acquire knowledge, attitude, and skills in the techniques of nursing and practice them in clinical setting
- To help students to understand that nutrition and biochemistry is an integral component of health and disease.
- To help student to gain basic understanding of uses of computers and its application in nursing.
- To help students to gain an understanding of the community health in order to introduce them to the wider horizons of rendering nursing services in the community set-up, both in urban and rural areas.

The B.Voc. Program in nursing and hospital Management shall be for a duration of three years consisting of six semesters and is a judicious mix of skills relating to professional education and general education on credit based system. The successful students will be awarded Certificate/Diploma/Advanced Diploma/Degree in both Skills and General education components of the Curriculum. All the candidates continuing to diploma courses or further will be treated at par from the second semester onwards.

Students may exit after six months with certificate (NSQF Level 4) or may continue for diploma or advance diploma level courses.

Cumulative credits awarded to the learners in skill based vocational courses

NSQF level	Skill Component Credits	General Education Credits	Total Credits for Award	Normal Duration	Exit Points / Awards
4	18	12	30	One Sem	Certificate
5	36	24	60	Two Sem	Diploma
6	72	48	120	Four Sem	Advanced diploma
7	108	72	180	Six Sem	B. Voc. Degree

A Summary

Program Title	B. Voc (Nursing and Hospital Management)
Program Code, if any	
Basic care health worker	
Nursing Care Assistant	
Nurse Midwife	
Nursing and hospital Management	

Duration of the program and NSQF level						
Semester	Credit	Duration	Skill paper (including OJT)	General Paper	QP name Qualification Packs (QPs),	NSQF level National Skills Qualifications Framework (NSQF).
First Sem	30	Six Month	1. Introduction to health care delivery system 2. Nursing Foundations-theory & Practical 3. Anatomy and Physiology		Basic care assistant	4
Second Sem	60	Six Month	1. Pharmacology 2. Medical Surgical Nursing- theory & Practical	1. English	Nursing assistant	5
Third and fourth Sem	120	One year	1. Mental health nursing (theory & practical) 2. Microbiology 3. Nutrition and Biochemistry 4. Pathology & Genetics 5. Pathology & Genetics 6. Child health nursing (theory & practical)	7. Communication and education technology 8. Introduction to Computer	Nurse Midwife	6

Fifth and sixth	180	One year	1. Midwifery and obstetrical nursing 2. Psychology and Sociology 3. Community health nursing 4. Hospital management 5. Research and statistics 6. Internship & Projects		Nursing and hospital management	7
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Trainer's qualification and Experience:

M. Sc. Nursing or Graduate in nursing with minimum 5 year experience including 2 years in clinical and 2 years in teaching.

Training tools required to deliver this training:

Advanced skill lab including mannequins, clinical procedure set ups

Assessment Strategy: Theory exam for general subjects and practical exam **at clinical areas**

Job Description:

- **Basic care assistant:** Can work in clinical area and perform basic care for clients of health care industry like checking vital signs, maintaining personal hygiene for patients and administration of oral medications.
- **Nursing assistant:** can work with graduate nurses as an assistant, are able to perform all medical and surgical nursing procedure like
- **Nurse Midwife:** Along with the entire above, are able to care for children, care for antenatal mother, care for postnatal mother and are able to conduct deliveries independently.
- **B. Voc. in Nursing and hospital management:** Can be appointed as team leader, floor supervisors and administrators in hospital.

Employment Avenues/ opportunities:

Curriculum version date:

Curriculum revision date:

Detail Syllabus Subject wise:

F.Y.B.VOC. IN SALES AND MARKETING MANAGEMENT	
SEMESTER 1	
General Education Component	Credits
Paper 1 : Introduction to Healthcare Delivery System Course Outcomes: • To help students to develop an ability to meet the basic health need of patient with regard to nursing care. • Develop skill in the competencies required for rendering effective patient care Unit 1 - Introduction & Definition Concept of health, Health care and hospitals, Indian Health care system, Government - Health care interface Unit -2 Levels of Healthcare delivery system – Hospital as a subsystem of health care system, Hospital functions, Hospital Organization , Classification of Hospitals, Components of a hospital system Unit -3 Modern aspect – Changing role of hospital administration, Need for managerial functional specialists, Decision making in Hospitals, Understanding decision making, Process, Drawback of hospital communication system Unit – 4 Benefits – Need for systems approach to Hospital, Concepts of computers and communication Technology, Database concepts, Networks and communication, Types of network, Network Topologies Unit – 5 - Information Technology in Hospitals – Information system concepts, Types of information systems, Design considerations, Development Approaches, Implementation strategies, Functionality of computerized information systems, Resources, Utilisation & Control in Hospitals, issues and challenges of Hospital Management	4

Paper -2 Nursing Foundations- Theory & Practical Course Outcomes: • To help students to develop an ability to meet the basic health need of patient with regard to nursing care. • Develop skill in the competencies required for rendering effective patient care Unit – 1 - Introduction to nursing & their education implications – Education :Definition, aims, concepts, philosophies Unit – 2 - Nursing care of patient – Personal Care, Personal hygiene, Bed side assistance, House Keeping, Store keeping Unit – 3 -Meeting the basic needs of the patient – Basic needs (Activities of Daily Living), Providing safe and clean environment, Hygiene, Comfort, Physiological needs assessment, Sleep and Rest, Nutrition, Bowel elimination, Mobility and Immobility, Oxygenation, Fluid and Electrolyte, Acid-Base imbalances Unit – 4 -Infection control - Infection control in clinical settings, Infection control, Isolation precautions, Types, uses and technique of wearing and removing, Biomedical waste management, Transportation and disposal	4
Unit -5-Introduction to clinical pharmacology – General principles/considerations of medication administration, Parenteral, Subcutaneous, Intramuscular, Intravenous, Topical Administration Unit -6 - Therapeutic nursing care – Concepts, goals, objectives, family as a unit of health, family Health care services, Family health and nursing care process – Family health Assessment, family care plan, Family health services – Maternal, child care and Family welfare services, Roles and function of a community health nurse in family Health services, Family health records. Unit – 7 - First aid procedures – Techniques and first aid in emergencies, Importance of first aid and rules of first aid, Concept of emergency, First Aid in Emergency situations - Fire burns, fractures, accidents, poisoning, drowning, haemorrhages, insect bites, foreign bodies, Transportation of the injured, Bandaging and splinting. Unit – 8 - Community emergencies and community resources – Definition of community, Community health management program, Case study	

Nursing Foundations - Practical Course Outcomes: • To help the students to acquire knowledge, attitude, and skills in the techniques of nursing and practice them in clinical setting Units – • Hospital admission, discharge and transfer procedure • Assessment of patient • Communication • Health education to patient • Write patients report • Vital signs • Health assessment □ Prepare patient's unit • Hygiene care of patient • Feeding • Oxygen administration • Suctioning • Chest physiotherapy • CPR- basic life support • Pre and post- operative care • Administration of medication • Care of dying and dead	
Paper – 3 - Anatomy and Physiology Course Outcomes : • Describe the general structure and functions of the human body • Describe in detail the structure and functions of the of different organs and system in human body • Apply the anatomical and physiological principles in the practice of nursing Unit – 1 - Introduction to anatomical terms, detailed structure, and organization of human body Introduction, Bones included, features Introduction to anatomical terms, Organization of body cells, tissues, organs, systems, membranes and glands, Skeletal system, Bones: types, structure, function, Axial skeleton, Appendicular skeleton, Joints: classification, structure and function. Unit – 2 - Blood and circulatory system including lymphatic system: Introduction, Organs included, function Cardio-Vascular system, Blood: composition clotting and blood group, cross matching. Blood products and their use, Heart: position, structure, conduction system, Function and cardiac cycle, Blood Vessels: Structural differences and position of chief vessels, Circulation of Blood: Systematic, pulmonary and portal circulation, Blood pressure and pulse, Lymphatic system: Lymph vessels, glands, ducts and lymph circulation, lymph tissues in the body, spleen.	4

Unit – 3 - Respiratory System : Respiratory System, Structure and functions of respiratory organs, Physiology of respiration, Characteristics of normal respiration and its deviations. Unit – 4- Digestive system: Digestive system, Structure and function of organs of digestive and accessory organs, Process of digestion and absorption, Metabolism: meaning and metabolism of food constituents. Unit -5- Excretory system : Excretory system, Structure and functions of organs of urinary system, Structure and functions of the skin, Regulation of body temperature, Fluid and electrolyte balance. Unit-6- Endocrine system: Endocrine System, Structure and functions of pituitary, pancreas, thyroid parathyroid, thymus and supra renal glands. Unit-7- Nervous system: Type, structure and functions of neuron, Central Nervous System: Structure and functions. Unit-8- The sense organs : Structure and functions of eye, ear, nose and tongue, Physiology of vision, hearing and equilibrium. Unit-9- The skeleton and muscular system: Type, structure and functions, Position and action of chief muscles of the body. References •AAMC (Association of American Medical Colleges). 2000. Minority Graduates of US Medical Schools: Trends, 1950–1998. Washington, DC: Association of American Medical Colleges. •AHA (American Hospital Association). 2001. a. Emergency departments—an essential access point to care. AHA TrendWatch •Dictionary of Nursing Theory and Research by Bethel Ann Powers; Thomas R. Knapp. Call Number: Ebook. ... •Nursing Theorists and Their Work (9th Edition) by Martha Raile Alligood. Call Number: eBook. ISBN: 9780323402248. ... •Foundations of Nursing Theory by Chris Metzger McQuiston; Adele A. Webb •B D Chaurasia's Human Anatomy 4 Volume Set (Vol.1 to Vol 4) ... •Atlas of Human Anatomy, International Edition	
Skill Component (Under the Guidelines of Sector Skill Council)	18
Total Credits	30
SEMESTER II	
General Education Component	Credits
Paper – 4 – English Course Outcomes : To help students to develop an ability to comprehend spoken and written English Unit – 1 - Grammar: Basic English Unit -2- Composition : Easy writing, letter writing Unit – 3 - Spoken English: Presentation	4

Paper – 5 - Pharmacology Unit-1- Introduction to pharmacology: Concept of pharmacology, Classification of drugs. Unit-2- Pharmacology of commonly used antiseptics and disinfectants : Composition, action, dosages, routes, indications, contraindications, drugs interactions, side effects, adverse effects, toxicity & role of nurses.	4
Unit-3- Drugs acting system wise: Definition, history and scope of Pharmacognosy including indigenous system of medicine, Various systems of classification of drugs and natural origin, Adulteration and drug evaluation; significance of pharmacopeial standards, Brief outline of occurrence, distribution, outline of isolation, identification tests, therapeutic effects and pharmaceutical application of alkaloids, terpenoids, glycosides, volatile oils, tannins and resins, Occurrence, distribution, organoleptic evaluation, chemical constituents including tests wherever applicable and therapeutic efficacy of following categories of drugs.(a) Laxatives- Aloes, Rhubarb, Castor oil, Ispaghula, Senna, (b) Cardiotonic- Digitalis, Arjuna, (c) Carminatives & G.I. regulators- Umbelliferous fruits, Coriander, Fennel, Ajowan, Cardamom, Ginger, Black pepper, Asafoetida, Nutmeg, Cinnamon, Clove, (d) Astringents- Catechu, (e) Drugs acting on nervous system- Hyoscyamus, Belladonna, Aconite, Ashwagandha, Ephedra, Opium, Cannabis, Nux-vomica, (f) Antihypertensive- Rauwolfia, (g) Antitussives- Vasaka, Tolu balsam, Tulsi, (h) Antirheumatics- Guggal, Colchicum, (i) Antitumour- Vinca, (j) Antileprotics- Chaulmoogra oil, (k) Antidiabetics- Pterocarpus, Gymnemasylvestro, (l) Diuretics- Gokhru, Punarnava, (m) Antidysenterics- Ipecacuanha, (n) Antiseptics and disinfectants- Benzoin, Myrrh, Neem, Curcuma, (o) Antimalarials- Cinchona, (p) Oxytocics- Ergot, (q) Vitamins- Shark liver oil and Amla, (r) Enzymes- Papaya, Diastase, Yeast, (s) Perfumes and flavoring agents- peppermint oil, Lemon oil, Orange oil, lemon grass oil, sandal wood, Pharmaceutical aids-Honey, Arachis oil, starch, kaolin, pectin, olive oil. Lanolin, Beeswax, Acacia, Tragacanth, sodium Alginate, Agar, Guar gum, Gelatin.	

Paper – 6 - Medical Surgical Nursing- Theory& Practical Course Outcomes : Help students to understand the concept of disease and disease process. Students shall be able to gain knowledge and develop understanding of various medical, surgical disorders and disease. The shall be able to give comprehensive nursing care to patient with these diseases Unit-1- Introduction Introduction to medical surgical nursing-Evolution and trends of medical and Surgical nursing, · Review of Concepts of Health and illness Disease-concepts, causations, classification- International Classification Diseases (ICD -10 or later version),Acute illness chronic stages if illness, Review of concepts of comprehensive nursing care in medical surgical conditions based on nursing process, Role of Nurse, patient and family in care of adult patient, Role and responsibilities of a nurse in medical surgical settings: Outpatient department, In-patient unit, Intensive care unit, Home and Community setting, Introduction to Medical Surgical asepsis , Inflammation and Infection Immunity, Wound healing, Care of Surgical Patient, Pre-operative, Intra operative, Post –Operative. Unit-2- Nursing assessment Introduction. General Health Assesment, Types of assesment,Patinet History. Unit-3- Pathophysiological mechanism of diseases Introduction, Pathogenesis, Diagnosis,Treatment. Unit-4- Altered immune response Altered immune response (humoral and delayed-type hypersensitivity reactions) to sheep red blood cells in the course of experimental filarial infections. Unit-5- Fluid and electrolytes balance and imbalance Normal Physiology and Anatomy of the Body Fluids, Definitions, Assessment, Measurement and Monitoring, Properties of Crystalloids andColloids, Prescription and Administration, Methods of Fluid Administration, Acid-Base Balance, Oliguria, Acute Kidney Injury, The Patient with Diabetes Mellitus, Disorders of Sodium, Potassium, Calcium, Magnesiumand Phosphate, Refeeding Syndrome, Fluid Therapy and Outcome Unit-6- Operation theatre technique OT design and layout, Layout and Design, Administration In The Operation Theatre, Visitors To Operating Theatre, Risks In OT, Central Sterile Services Department, CHAPTER 2: THE PATIENT, Consent To An Operation, Preoperative Assessment, Reception of The Patient In The OT, Monitoring & Recording The Physiological Status, CHAPTER 3: STAFF CONDUCT AND PRACTICE, Orientation of New Personnel and In Service, OT Attire, General Considerations,	4
Components of Attire, Principles of Aseptic Techniques, The Need For Sterile Technique, Surgical Scrub, Gowning Technique, Gloving Technique, Removing Gown and Gloves, SURGICAL EQUIPMENT, Surgical Instrument and Pack, Sterile Instruments	

Medical Surgical Nursing- Practical Course Outcomes : Students are able to apply nursing process and provide comprehensive nursing care to the clients with various medical and surgical conditions Unit-1- Introduction • Standard safety precautions • Administration of medications (oral, sublingual, intradermal, subcutaneous, intramuscular, intravenous) • Oxygen therapy • Feeding to patient • Therapeutic procedures • Collection of specimen • Health education regarding specific diseases • Transfusion of blood and its components • Wound care • OT techniques • ECG • Geriatric care • Screen for common cancers • Assessment and management of burn • ENT procedures • BLS and ACLS • ICU Management • PPE and Barrier technique	
References • Goodman & Gilman's Manual of Pharmacology and Therapeutics by RandaHilal-Dandan and Laurence Brunton • Medical-Surgical Nursing (English, Paperback, Thomas Kochuthresiamma) □ Webster's New Explorer Vocabulary Skill Builder by Merriam-Webster. • The Grammar Devotional: Daily Tips for Successful Writing from Grammar Girl by Mignon Fogarty. • Harry Potter and the Philosopher's Stone by JK Rowling. IELTS Reading Assist: An official IELTS mock test for Reading	
Skill Component (Under the Guidelines of Sector Skill Council)	18
Total Credits	30
SEMESTER III	
General Education Component	Credits
Paper – 7- Mental health nursing (theory & practical) Course Outcomes : To help students to develop the concept of mental health and mental illness, its causes, symptoms, prevention, treatment modalities and nursing management of mentally ill for individual, family and community. Unit-1- Introduction mental health nursing Introduction compassion and caring, hope and spirituality therapeutic use of self-awareness reflection, professional boundaries stress and burnout, professional supportive relationships Unit-2- Mental health assessment Mental Health Screening Tools,; Medication Related Screening Tools	4

Unit –3 -Therapeutic nurse patient relationship Therapeutic communication, Patient care, Respect, compassion, Protecting from abuse Unit –4 -Mental disorders and nursing interventions Cognitive behavioural therapy, Cognitive behavioural family interventions, Mindfulness-based cognitive therapy, Acceptance and commitment therapy, Person-based cognitive therapy, Dialectical behaviour therapy, Psychodynamic counselling, Bibliotherapy Unit –5 -Suicidal attempt deliberate harm to self or others Psychiatric emergencies, Acute psychotic episode with excited behaviour and violence, Alcohol & drug withdrawal syndrome & delirium tremens, Depressive stupor or catatonic syndrome, Acute stress reaction with dissociative conversion disorder, Panic disorder with panic attacks, Dystonic reaction due to psychotropic drugs Unit – 6 - Legal aspects in mental disorders The mental healthcare act 2017, Confidentiality and disclosure, Ethical issues, Legal issues in psychiatric care Unit – 7 - Psychopharmacology and psychosocial therapies Cognitive behavioural therapy, Cognitive behavioural family interventions, Mindfulness-based cognitive therapy, Acceptance and commitment therapy, Person-based cognitive therapy, Dialectical behaviour therapy, Psychodynamic counselling, Bibliotherapy	
Paper – 8- Microbiology Unit-1- Introduction Unit- 2 – Microorganisms Definition, Types, Structure, Diseases produce by them Unit- 3 – Infection and its transmission The prevention and control of infection, The Expanded Programme of Immunization (EPI), Infections spread by food and water, Infections spread by animals and insects and less common infectious diseases, Diseases spread by person-to-person contact, Tuberculosis Unit- 4 – Immunity Definition, Types of immunity Unit- 5 – Control and destruction of microbes Different methods Control and destruction of microbes Unit- 6 – Practical microbiology Unit- 7 – Describe the classification and characteristics of microorganism Unit- 8 – List common disease producing organisms Unit- 9 – Explain the activities of microorganism in relation to the environment of the human body Unit – 10 - Enumerate the basic principles of control and destruction of microorganism Unit – 11 - Apply the principles of microbiology in nursing practice	4

Paper – 9- Nutrition and Biochemistry Course Outcomes : To help students to understand that nutrition and biochemistry is an integral component of health and disease. Unit-1- Introduction Introduction, Nutrition, History, Concepts, Role of nutrition in maintaining health, Nutritional problems in India, National nutritional policy, Factors affecting food & nutrition, socio-economic, cultural, tradition, production, system of distribution, lifestyle & food habits etc, Role of food & its medicinal value, Classification of food, Food standards, Elements of nutrition: macro and micro, Calorie, BMR Definition.	4
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Unit- 2-Classification of food Metabolism storage & excretion, Deficiencies Overconsumption and toxicity Water & electrolytes, Water: Daily requirements, regulation of water metabolism, distribution of body water, Electrolytes: Types, sources, composition of body fluids, Maintenance of fluid & electrolyte balance over hydration, dehydration and water intoxication, Electrolyte imbalances Unit- 3 -Classification by nutritive value Carbohydrates: Classification; Caloric value; Recommended daily allowances Dietary sources; Functions; Digestion; absorption and storage; metabolism of carbohydrates, Malnutrition: Deficiencies and Over consumption FATS; Classification; Caloric value; Recommended daily allowances; Dietary sources; Functions; Digestion; absorption and storage; metabolism, Malnutrition: Deficiencies and Over consumption Proteins; Classification; Caloric value; Recommended daily allowances; Dietary sources; Functions; Digestion; absorption and storage; metabolism of carbohydrates, Malnutrition: Deficiencies and Over consumption Minerals; Classification; Recommended daily allowances; Dietary sources; Functions Absorption; synthesis; metabolism storage & excretion; Deficiencies Over consumption and toxicity Water & electrolytes, Water: Daily requirements; regulation of water metabolism; distribution of body water, Electrolytes: Types; sources; composition of body fluids; Maintenance of fluid & electrolyte balance Over hydration; dehydration and water intoxication; Electrolyte imbalances. Unit- 4 -Normal dietary requirements Introduction, Nutrition: History, Concepts, Role of nutrition in maintaining health, Nutritional problems in India, National nutritional policy, Factors affecting food & nutrition :socio-economic, cultural, tradition, production, system of distribution, lifestyle & food habits etc, Role of food & its medicinal value, Classification of foods, Food standards, Elements of nutrition: macro and micro Calorie, BMR definition Unit- 5 -Therapeutic diet Therapeutic diets: Naturopathy-Diet, Demonstration: Fluid diet, Egg flip, Soup, barley water, whey water, Soft diet: custard, Caramel custard, kanji, jelly, Semisolid diet: Khichadi, mashed potatoes, kheer Unit- 6 -Composition and metabolism of carbohydrates, lipids, minerals Structure, Properties, Metabolism Unit- 7 – Immunochemistry Types of immunity. Antigen & Antibody. Response of immune system, Disorders References - Title of the books is OLDER PEOPLE AND MENTAL HEALTH NURSING - A HANDBOOK OF CARE. Author Name :NENO. - Neelkanth Publishers English Practical Record Book For Psychiatric Nursing/Mental Health Nursing, 2021, Om Prakash Swami - MICROBIAL RESEARCH. By : Vinita Katiyar & Anubha Joshi. ... - Environmental Microbiology. By : Ram Prasad. ... - Microbes in Practice. By : Prakash S. ... - Microbial Applications. ... - Principles of Microbiology. ... - Microbiology for Medical Sciences. NUTRITION AND BIOCHEMISTRY FOR NURSES ; Author: RAJU	
Skill Component (Under the Guidelines of Sector Skill Council)	18
Total Credits	30

SEMESTER IV	
General Education Component	Credits
Paper – 10 - Pathology & Genetics Unit- 1- General Pathology Cell Injury, Inflammation, Hemodynamic, Genetics, Neoplasia, Immunity ,Blood disorders Unit- 2- Systemic Pathology Pathology related to body systems : Cardiovascular System, Respiratory System, Kidney and Urinary Bladder, Gastrointestinal Tract, Liver Genital System and Breast, Central Nervous System, Endocrine System, Musculoskeletal System Unit- 3 - Introduction to child health nursing Introduction, Safe motherhood and antenatal care, Age and diseases pattern, Health priorities in children, Care of the Under-Fives Unit- 4 - Growth and development Unit- 5 - Disorders and health problems of child Low birth weight, Malnutrition, Infections & parasitosis, Accidents And poisoning, Behaviour problems Unit- 6 - Congenital disorders Most common birth defects, Symptoms, Diagnosis, Prevention Unit- 7 - Child welfare services Child welfare meaning & their services related to child care , work they do Unit- 8 - Paediatric procedures Bag-mask ventilation (NICU, PICU, Wards and simulation), bladder catheterization (ED and NICU), giving immunizations (Continuity Clinic, Wake Clinic and Cone Clinic), incision and drainage of abscess (ED), lumbar puncture (ED, NICU, PICU and Wards), neonatal endotracheal intubation (NICU), peripheral intravenous catheter placement (ED, NICU,PICU, Wards and simulation), reduction of simple dislocation (ED), simple laceration repair (ED), simple removal of foreign body (ED and Clinics), temporary splinting of fracture (ED), umbilical catheter placement (NICU and simulation), venepuncture (ED, NICU, PICU, Wards and simulation). Unit- 9 - Management of children with various diseases Common Diseases and their management & Treatment	4

Paper – 11 - Child health nursing (theory & practical) Course Outcomes : Unit- 1- Introduction to child health nursing Introduction, Safe motherhood and antenatal care, Age and diseases pattern, Health priorities in children, Care of the Under-Fives Unit- 2- Growth and development Unit- 3- Disorders and health problems of child Low birth weight, Malnutrition, Infections & parasitosis, Accidents And poisoning, Behaviour problems, Unit- 4- Congenital disorders Most common birth defects, Symptoms, Diagnosis, Prevention Unit- 5- Child welfare services Child welfare meaning & their services related to child care , work they do Unit- 6 - Paediatric procedures Bag-mask ventilation (NICU, PICU, Wards and simulation), bladder catheterization (ED and NICU), giving immunizations (Continuity Clinic, Wake Clinic and Cone Clinic), incision and drainage of	4
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Paper – 12 - Communication & Education Technology Unit- 1- Introduction General information Unit- 2- Types of communication Unit- 3- Process of communication Elements of communication	2

Paper – 13 - Computers Course Outcomes : To help student to gain basic understanding of uses of computers and its application in nursing. Unit- 1- Introduction to computers Main Features of Computer Unit- 2- MS office Microsoft Paint -Use of Mouse, draws the pictures shapes, Notepad – Use of Key board, basic typing. Opening, Moving Folders, Microsoft word -Write, Edit, format the documents, Microsoft Excel – Calculate, analysing the data, Microsoft PowerPoint – Presentation for data, Unit- 3- Multimedia Definition, multimedia system & components, uses, Unit- 4 - Use of internet and email Basics Use of internet and email References • Pathology and Genetics for Nurses (English, Paperback, Nayak Ramadas) • PATHOLOGY AND GENETICS IN NURSING, 2E. Author Name: SHARMA. ... Published by REED ELSEVIER INDIA • Textbook of Child Health Nursing (English, Paperback, Padmaja A) • Textbook of Community Health Nursing Book ; ISBN Number: 978-93-82428-22-0 ; Author Name: K. K. Gulani ; Edition: 1st Ed ; Year: 2013 • Text Book For Second Year GNM Child Health nursing Paperback – 1 January 2021	2
Skill Component (Under the Guidelines of Sector Skill Council)	18
Total Credits	30
SEMESTER V	
GENERAL EDUCATION COMPONENT	Credits
Paper – 14 - Midwifery and obstetrical nursing Course Outcomes : To help students acquire knowledge and gain skills to meet the needs of women during Pregnancy, labour and puerperium and care for the new born. Unit- 1- Introduction to midwifery and obstetrical nursing Unit- 2- Reproductive system Introduction, Organs included, Functions Unit- 3- Embryology and foetal development	4

Understanding Gestational Age, Role of Genetics, Stages of Pregnancy, Risk factors, Abortion Unit- 4- Normal pregnancy and its management (labour, new-born and puerperium) Normal physiology of pregnancy, Signs & Symptoms of pregnancy, Stages of labour & their management, Post partum care, New born Care & Management Unit- 5 - Management of complications during pregnancy Clinical procedures & symptoms Unit- 6 - Obstetric operations Obstetrical Instruments, Manipulation, Force Traction Unit- 7 - Drugs used in obstetrics Oxytocin, Ergot, Prostaglandin, Antihypertensive drugs, Methyldopa, Labetalol, propranolol, Diuretics, Tocolytic agents, Ritodrine hydrochloride (yutopar), Anticonvulsants, Magnesium sulphate, Anticoagulants (Heparin sodium), Analgesics (Pethidine), Effects of maternal medications on foetus, Maternal drug intake and breastfeeding Unit- 8 - Ethical and legal aspects in midwifery Ethical dilemmas, Issues & Challenges Unit- 9 - Gynaecological nursing Gynaecological nursing procedures & management	
Paper – 15 – Psychology and Sociology Unit- 1 - Importance of psychology for nursing Unit- 2 - Structure of mind Unit- 3 - Psychology of human behaviour Understanding Work Teams, Differences between groups and teams Types of teams, Creating effective teams, Conflict and Negotiation, Defining Conflict: transitions in conflict thought, The Conflict Process, Negotiation: Bargaining strategy the negotiation process, Emotions and Moods, What are Emotions and Moods? The basic emotions, sources of emotions and moods, Emotional Intelligence, Organizational Behaviour applications of emotions and moods, Organizational Change and Stress Management, Forces for Change, Work Stress and its Management Unit- 4 – Learning Principle & Theories of learning Unit- 5 – Thinking and reasoning Introduction, Nature of Thinking, Building Blocks of Thought, Culture and Thinking, The Processes of Thinking, Problem Solving, Reasoning, Decision-making, Nature and Process of Creative Thinking, Nature of Creative Thinking, Lateral Thinking, Process of Creative Thinking, Developing Creative Thinking, Barriers to Creative Thinking, Strategies for Creative Thinking, Thought and Language, Development of Language and Language Use, Bilingualism and Multilingualism Unit- 5 – Personality Perspectives on personality, Assessment of personality, Issues Unit- 6 – Intelligence Sociology Unit- 7 – Use of sociology for nurses Sociology in nursing and sociology of nursing Developing skills, Use Unit- 8 – Socialization process Define socialization, Compare nature and nurture as socialization influences, Identify agents and agencies of socialization, Evaluate the study of cases of feral children in-terms of their importance to	4

our knowledge of socialization, Recall and define the steps in determining a self-concept, Evaluate Dramaturgy for its application to everyday life.	
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Unit- 9 – The family	
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The Illusion of Gender Sameness, Sex Differences in Mating, Sex Differences in Parenting, Sex Differences in Grandparenting, Sex Differences in In-Laws, Sex Differences in Extended Family Relationships, The Illusion of Family Socialization	
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Unit- 10 – The society	
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Early manifestation, Traditions, Behaviour & Diversity	
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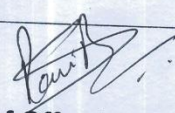
Unit- 11 – The community	
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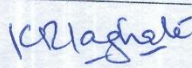
Definition, Geographic structure, Traditions, Behaviour patterns, Contribution, General Problems.	
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Paper – 16 - Community health nursing Course Outcomes : To help students to gain an understanding of the community health in order to introduce them to the wider horizons of rendering nursing services in the community set-up, both in urban and rural areas. Unit- 1 - Introduction to community health nursing General information, Definitions Unit- 2 - Principles of epidemiology and epidemiological methods Clinical research, Disease prevention, Health promotion, Health protection and Health services research Unit- 3 - Family health care setting Types of Family, Maternal Health, Family Planning, Child Health Unit- 4 – Referral system - Types & Benefits Unit- 5 – Minor ailments - Types, Treatment & Services Unit- 6 – Environmental hygiene Introduction to hygiene, Environmental Factors Contributing to Health, Community Organizations to the Promote Environmental Health, What is environmental hygiene?, What is the five environmental hygiene?, What is the role of environmental sanitation and health?, Disclaimer, Conclusion Unit- 7 - Communication skill - Types & benefits, Barriers Unit- 8 - Health education Core concepts underlying community health nursing practice, A framework for community health nursing education References : Essentials of Midwifery & Obstetrical Nursing : Jaypee Digital Midwifery And Obstetrical Nursing (English, Paperback, Piyush Sharma) Rural Sociology And Educational Psychology by Dr. Swati S.Khandave ALA Guide to Sociology and Psychology Community Health Nursing: Georly, George	4
Skill Component (Under the Guidelines of Sector Skill Council)	18
Total Credits	30
SEMESTER VI	
General Education Component	Credits
Paper – 17 – Hospital Administration Course Outcomes : This course is designed to enable students to acquire knowledge and competencies in areas of administration, and management of hospital. Further prepares the students to develop leadership competencies and perform their role as effective leaders in an organization.	4

Unit- 1 - Introduction to management process Planning, organizing, staffing, leading and controlling Unit- 2 – Organizational behaviour and human relation Concept, theory, levels of organization, Human relationship, Leadership Unit- 3 – Financial management Definition, System, Functions Unit- 4 – Information management system Definition, System, Functions, Benefits Unit- 5 – Personal management Definition, System, Functions, Benefits Unit- 6 – Professional considerations - Ethics Unit- 7 – Professional advancement Definition, System, Functions, Benefits	
Paper – 18 – Research and statistics Course Outcomes : The Course is designed to enable students to develop an understanding of basic concepts of research, research process and statistics. It is further, structured to conduct/ participate in need-based research studies in various settings and utilize the research findings to provide quality nursing care. The hours for practical will be utilized for conducting individual or group research project. Unit- 1 - Introduction to research and research process Introduction to Nursing Research, Introduction, Problem-solving, Scientific Methods and Research, Methods of Acquiring Knowledge in Nursing, Research and Nursing Research, Characteristics of Good Research, Purposes of Research, History of Nursing Research, Types of Research, Scope and Areas of Nursing Research, Significance of Research in Nursing, Evidence-based Practice, Review Questions and Answer Unit- 2 - Research problem / question Introduction, Research Problem, Sources of Research Problem, Steps of Identifying a Research Problem, Components of a Problem Statement, Research Question, Evaluation, Criteria for a Research Problem, Variables, Operational Definitions, Research Objectives, Assumptions, Hypothesis, Delimitations, Limitations, Limitations, Review Questions and Answer Unit- 3 - Review of literature Introduction, Definitions, Characteristics of a Quality Review, Factors Affecting Literature Review, Purposes of Literature Review, Importance of Literature Review, Types of Literature Review, Sources of Literature Review, Steps of Literature Review, Organization of Literature Review, Tips for Writing Literature Review, Critical Appraisal of Review, Review Questions and Answer Unit- 4 - Research approaches and design Introduction, Definitions, Contents xv, Characteristics of a Good Research Design, Factors Affecting Selection of Study Design, Quantitative Research, Experimental Research, True Experimental Research, Quasi-experimental Research, Preexperimental Research, Non-experimental Designs, Descriptive Research, Epidemiological Research, Analytical Studies, Developmental Research, Survey Research, Additional Types of Quantitative Research, Qualitative Research Design, Phenomenology, Ethnography Grounded Theory, Historical Research Case Study, Action Research, Delphi Technique, review Questions and Answer	4

Unit- 5 - Sampling and data collection Introduction, Sampling Terms, Sampling Criteria, Importance of Sampling in Research, Characteristics of a Good Sample, Types of Sampling Techniques, Probability Sampling Techniques, Non-probability Sampling, Factors Affecting Sampling/Sample Size, Sampling Process in Quantitative Research, Problems in Sampling, Sample Size Calculation, Power Analysis, Sample Size for Animal Studies, Review Questions and Answer Purpose of data collection Types of Data, Sources of Data, Data Collection Plan Unit- 6 - Analysis of data Introduction, Statistical Procedures, Descriptive Statistics, Levels of Measurement, Frequency Distribution, Normal Distribution Curve, Measures of Central Tendency, Measures of Dispersion/Variability, Data Processing, Data Presentation, Inferential Statistics, Qualitative Data Analysis, Ethnographic Analysis, Grounded Theory Analysis, Phenomenological Analysis, Review Questions and Answer Unit- 7 - Introduction to statistics Introduction- Meaning and Definition, Characteristics of Statistics, Functions of Statistics, Common Statistical Terms, Levels of Measurement, Descriptive Statistics, Methods of Data Presentation, Measures of Central Tendency, Measure of Dispersion/Variability, Coefficient of Correlation, Spearman's Rank Correlation Coefficient, Normal, Distribution Curve, Inferential Statistics, Parametric and Nonparametric Tests, Tests of Significance, Statistical Packages and Analysis, Review Questions and Answer Unit- 8 - Communication and utilization of research Introduction - Communication of Research Findings, Research Report, References and Bibliography, Critical Appraisal of Research Report Contents, Research Proposal	
Paper – 19 – Exclusive internship & Project •Prepare organizational chart of hospital/ Nursing services/nursing department •Calculate staffing requirements for a particular nursing unit/ward •Formulate Job description at different levels of care •Prepare duty roster for staff/ students at different levels •Participate in procuring/purchase of equipment & supplies •Prepare log book/MMF for specific equipment/ materials •Maintain and store inventory and keep daily records •Prepare and maintain various records & reports of the settings-incident reports/adverse reports/audit reports •Prepare and implement protocols & manuals •Participate in supervision, evaluation and conducting in service education for References : •Hospital Administration. by Joshi Paperback. •Principles of Hospital Administration and Planning. by Sakharkar Paperback.... •Hospital Administration & Management: A comprehensive Guide. by Gupta Joydeep Das Paperback.. •Fundamental Of Research Methodology And Statistics	4
Skill Component (Under the Guidelines of Sector Skill Council)	18
Total Credits	30


Sign of Offg. Associate Dean
Dr. Ravikant B. Sangurde
Faculty of Commerce & Management

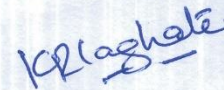

Sign of Offg. Dean,
Prof. Kavita Laghate
Faculty of Commerce & Management

Appendix B

Justification for B.Voc. (Nursing and Hospital Management)

1.	Necessity for starting the course:	This course has been designed considering the need of skilled manpower in the field of Hospital Management, This is a perfect combination to provide clinical and managerial knowledge.
2.	Whether the UGC has recommended the course:	Yes, UGC has launched skill based courses aligned to NSQF guidelines
3.	Whether all the courses have commenced from the academic year 2022-23	Yes
4.	The courses started by the University are self-financed, whether adequate number of eligible permanent faculties are available?:	The mentioned course is self-financed, and adequate number of eligible permanent faculties are available.
5.	To give details regarding the duration of the Course and is it possible to compress the course?:	Course has been designed as per the duration and UGC guidelines
6.	The intake capacity of each course and no. of admissions given in the current academic year:	Intake capacity is 120
7.	Opportunities of Employability / Employment available after undertaking these courses:	There are huge demand of such courses in the healthcare industry


Sign of Associate Dean
 Dr. Ravikant B. Sangurde
 Faculty of Commerce & Management


Sign of Dean,
 Prof. Kavita Laghate
 Faculty of Commerce & Management

