

UNIVERSITY OF MUMBAI  
No. UG/30 of 2009

CIRCULAR:-

A reference is invited to the Ordinance, Regulations and syllabi relating to the Master of Arts (M.A) degree examination and Master of Science (M.Sc) degree examination vide Pamphlet No.157 and 175 respectively and to this office circular No.UG/447 of 2008 dated 10<sup>th</sup> October, 2008 and the Head, University Department of Statistics, the Principals of the affiliated colleges in Arts and Science, the Heads of the recognized Institutions concerned and the Professor-cum-Director, Institute of Distance Education are hereby informed that the recommendation made by the Board of Studies in Statistics at its meeting held on 6<sup>th</sup> October, 2008 has been accepted by the Academic Council at its meeting held on 15<sup>th</sup> December, 2008 vide item No.4.21 and that, in accordance therewith, the scheme of examination under the revised syllabus of M.A./M.Sc.(Part-II) in the subject of Statistics, under serial number 8 elective in optional Paper VIII and IX, is modified as per Appendix and that the same has been brought into force with effect from the academic year 2008-2009.

MUMBAI-400032  
17<sup>th</sup> January, 2009.

PRIN.K.VENKATARAMANI  
REGISTRAR

To,

The Head, University Department of Statistics, the Principals of the affiliated colleges in Arts and Science, the Heads of the recognized Institutions concerned and Professor-cum-Director, Institute of Distance Education.

A.C./4.21/15.12.2008

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No. UG/30-A of 2009

MUMBAI-400 032

17<sup>th</sup> January, 2009

Copy forwarded with compliments for information to :-

- 1) The Dean, Faculty of Arts and Science
- 2) The Chairman, Board of Studies in Statistics.
- 3) The Controller of Examinations
- 4) The Co-ordinator, University Computerization Center.

  
(D.H.KATE)  
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 Personal Assistants to the Vice-Chancellor, the Pro-Vice-Chancellor, the Registrar and the Assistant Registrar, Administrative, 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, Enrollment, Eligibility and Migration Section (3 copies), the Deputy Registrar, Statistical, Affiliation Section (2 copies), the Director, Institute of Distance Education, (10 copies) the Director University Computer Center (IDE Building) Vidyanagari (2 copies) the Deputy Registrar (Special Cell) the Deputy Registrar



15.12.2008

# UNIVERSITY OF MUMBAI



## Modified Scheme of Examination at the M.A./M.Sc. (Part-II) in the Subject of Statistics

(The modification were made in the optional paper under  
Serial No.8 of Paper-VIII & IX)

(With effect from the academic year 2008-2009)

The following will be the scheme of M.A./M.Sc. Part-II examination for the branch of Statistics with effect from 2008-2009 :

**M.A. / M.Sc. PART – II EXAMINATION**

Scheme of Examination :-

Paper VI - Multivariate Analysis

For M.Sc. (Part-II) (One Paper – 3 hours – 100 marks)

For M.A. (Part-II) (One Paper – 3 hours – 75 marks)

Paper VII - Testing of Hypothesis

For M.Sc. (Part-II) (One Paper – 3 hours – 100 marks)

For M.A. (Part-II) (One Paper – 3 hours – 75 marks)

Paper VIII - Optional Paper – Any two to be selected from the following electives :

For M.Sc. (Part-II) (One Paper – 3 hours – 100 marks)

For M.A. (Part-II) (One Paper – 3 hours – 75 marks)

1. Bayesian Analysis
2. Bio informatics
3. Biostatistics
4. Clinical research
5. Contingencies
6. Data Mining
7. Financial Mathematics
8. **Statistical Process Control**
9. Non Parametric Inference
10. Operations Research

Paper IX - Optional Paper – Any two to be selected from the following electives :

For M.Sc. (Part-II) (One Paper – 3 hours – 100 marks)

For M.A. (Part-II) (One Paper – 3 hours – 75 marks)

1. Advanced theory of designs
2. Categorical Data Analysis
3. Econometrics
4. Financial Statistical Economics
5. Measure Theory
6. Risk Analysis
7. Statistical Decision Theory
8. **Genetics**
9. Stochastic Processes
10. Survival Analysis



## Distribution of Marks :-

- \* All Questions in the theory Paper are compulsory and Appropriate weightage should be given to each topic in the syllabus.

Paper X – Practical based on paper VI to IX and project work/dissertation

For M. Sc. (Part-II) (One Paper – 6 hours – 100 marks)

For M.A. (Part-II) (One Paper – 6 hours – 100 marks)

Distribution of marks for Paper X :

- \* 70 marks for practical examination consisting of two sessions each of 3 hours duration.
- \* 10 marks for journal and viva-voce.
- \* 20 marks for project work.

Teaching Hours :

- \* The syllabus of each Theory paper should be covered in 120 hours in one academic year i.e. 60 hours per term, Consisting of 4 hours per week for each paper.
- \* There will be one seminar of one-hour duration per paper per week.
- \* Eight hours of practical consisting of two practical session of 4 hours per week per batch.
- \* Each batch for practical consists of ten students.
- \* Two hours of practical session of teaching of Statistical Software per week per batch

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