

**Question Pattern for the B.Sc Examination in Statistics  
(Approved by the UG Board of Studies in Statistics)**

**B.Sc Part I Honours Examination in STATISTICS**

**Paper I: Full Marks 100**

Group A (Mathematical Methods I): Full Marks 25

- Short answer type questions(Each carrying 5 marks)  
Number of questions to be set by the paper setter=02  
Number of questions to be answered by the examinee=01
- Broad answer type questions(Each carrying 10 marks)  
Number of questions to be set by the paper setter=04  
Number of questions to be answered by the examinee=02

Group B (Probability Theory I): Full Marks 25

- Short answer type questions(Each carrying 5 marks)  
Number of questions to be set by the paper setter=02  
Number of questions to be answered by the examinee=01
- Broad answer type questions(Each carrying 10 marks)  
Number of questions to be set by the paper setter=04  
Number of questions to be answered by the examinee=02

Group C (Descriptive Statistics): Full Marks 50

- Short answer type questions(Each carrying 5 marks)  
Number of questions to be set by the paper setter=04  
Number of questions to be answered by the examinee=02
- Broad answer type questions(Each carrying 10 marks)  
Number of questions to be set by the paper setter=08  
Number of questions to be answered by the examinee=04

**Paper II (Section I): Full Marks 50**

Group A (Indian Statistical Systems & Economic Statistics): Full Marks 20

- Short answer type questions(Each carrying 5 marks)  
Number of questions to be set by the paper setter=04  
Number of questions to be answered by the examinee=02
- Broad answer type questions(Each carrying 10 marks)  
Number of questions to be set by the paper setter=02  
Number of questions to be answered by the examinee=01

Group B(Population Statistics): Full Marks 30

- Short answer type questions(Each carrying 5 marks)  
Number of questions to be set by the paper setter=04  
Number of questions to be answered by the examinee=02
- Broad answer type questions(Each carrying 10 marks)  
Number of questions to be set by the paper setter=04  
Number of questions to be answered by the examinee=02

## **Paper II (Section II): Full Marks 50**

- This is a **Practical** Paper based on the topics covered in the Theoretical papers I & II (Section I).
- 40 marks question will be given for practical problems related to topics covered in the Theoretical papers I & II (Section I) and the remaining 10 marks will be distributed equally for the evaluation of the Practical Note Book and viva-voce.
- There will be no choices among questions, i.e. a candidate is required to answer all the questions provided.

## **B.Sc Part I **General** Examination in STATISTICS**

### **Paper I: Full Marks 100**

#### Compulsory Section: Full Marks 20

- Short answer type questions on topics in Groups A & B (Each carrying 2 marks)  
Number of questions to be set by the paper setter=20  
Number of questions to be answered by the examinee=10

#### Group A(Descriptive Statistics): Full Marks 40

- Short answer type questions(Each carrying 5 marks)  
Number of questions to be set by the paper setter=04  
Number of questions to be answered by the examinee=02
- Broad answer type questions(Each carrying 10 marks)  
Number of questions to be set by the paper setter=06  
Number of questions to be answered by the examinee=03

#### Group B(Probability Theory): Full Marks 40

- Short answer type questions(Each carrying 5 marks)  
Number of questions to be set by the paper setter=04  
Number of questions to be answered by the examinee=02
- Broad answer type questions(Each carrying 10 marks)  
Number of questions to be set by the paper setter=06  
Number of questions to be answered by the examinee=03

## **B.Sc Part II Honours Examination in STATISTICS**

### **Paper III: Full Marks 100**

#### Group A(Mathematical Methods II): Full Marks 25

- Short answer type questions(Each carrying 5 marks)  
Number of questions to be set by the paper setter=02  
Number of questions to be answered by the examinee=01
- Broad answer type questions(Each carrying 10 marks)  
Number of questions to be set by the paper setter=04  
Number of questions to be answered by the examinee=02

#### Group B(Probability Theory II): Full Marks 40

- Short answer type questions(Each carrying 5 marks)  
Number of questions to be set by the paper setter=04  
Number of questions to be answered by the examinee=02
- Broad answer type questions(Each carrying 10 marks)  
Number of questions to be set by the paper setter=06  
Number of questions to be answered by the examinee=03

#### Group C(Sampling Distributions& Statistical Inference I): Full Marks 35

- Short answer type questions(Each carrying 5 marks)  
Number of questions to be set by the paper setter=02  
Number of questions to be answered by the examinee=01
- Broad answer type questions(Each carrying 10 marks)  
Number of questions to be set by the paper setter=06  
Number of questions to be answered by the examinee=03

### **Paper IV (Section I): Full Marks 50**

#### Group A(Time Series Analysis): Full Marks 25

- Short answer type questions(Each carrying 5 marks)  
Number of questions to be set by the paper setter=02  
Number of questions to be answered by the examinee=01
- Broad answer type questions(Each carrying 10 marks)  
Number of questions to be set by the paper setter=04  
Number of questions to be answered by the examinee=02

#### Group B(Statistical Quality Control): Full Marks 25

- Short answer type questions(Each carrying 5 marks)  
Number of questions to be set by the paper setter=02  
Number of questions to be answered by the examinee by the examinee=01
- Broad answer type questions(Each carrying 10 marks)  
Number of questions to be set by the paper setter=04  
Number of questions to be answered by the examinee=02

### **Paper IV (Section II): Full Marks 50**

- This is a **Practical** Paper based on the topics covered in the Theoretical papers III & IV (Section I).
- 40 marks question will be given for practical problems related to topics covered in the Theoretical papers III & IV (Section I) and the remaining 10 marks will be distributed equally for the evaluation of the Practical Note Book and viva-voce.
- There will be no choices among questions, i.e. a candidate is required to answer all the questions provided.

## B.Sc Part II **General** Examination in STATISTICS

### Paper II: Full Marks 100

#### Compulsory Section: Full Marks 20

- Short answer type questions on topics in Groups A & B (Each carrying 2 marks)  
Number of questions to be set by the paper setter=20  
Number of questions to be answered by the examinee=10

#### Group A (Sampling Distributions & Statistical Inference): Full Marks 40

- Short answer type questions(Each carrying 5 marks)  
Number of questions to be set by the paper setter=04  
Number of questions to be answered by the examinee=02
- Broad answer type questions(Each carrying 10 marks)  
Number of questions to be set by the paper setter=06  
Number of questions to be answered by the examinee=03

#### Group B(Analysis of Variance, Design of Experiments& Sample Survey): Full Marks 40

- Short answer type questions(Each carrying 5 marks)  
Number of questions to be set by the paper setter=04  
Number of questions to be answered by the examinee=02
- Broad answer type questions(Each carrying 10 marks)  
Number of questions to be set by the paper setter=06  
Number of questions to be answered by the examinee=03

### Paper III: Full Marks 100

- This is a **Practical Paper** based on the topics covered in the Theoretical papers I & II.
- 80 marks are assigned for internal continuous assessment and the remaining 20 marks will be distributed equally for the evaluation of the Practical Note Book and viva-voce.