



M 8902

Reg. No. :

Name :

First Semester B.Sc. (Regular/Supple./Improv.) Degree Examination, Nov. 2010
STATISTICS (Core)

Course No – 1 : 1B01STA : Methodology and Perspective of Statistics

Time : 3 Hours

Total Weightage : 30

Instruction: Use of Calculator and Statistical Tables permitted.

PART – A

Answer any 10 questions :

(Weight 1 each)

1. What is scientific method ?
2. Mention the aspects to be considered for the study of river flooding.
3. What is a scientific law ?
4. Illustrate a dot diagram.
5. What is relativism ?
6. Define a sample.
7. What is eureka intuition ?
8. What is statistics in the singular sense ?
9. Mention the important measures of dispersions.
10. State the different bases of classification.
11. What is a histogram ?

P.T.O.



PART -- B

Answer any 6 questions :

(Weight 2 each)

12. Distinguish between pure science and applied science giving suitable examples.
13. Distinguish between induction and deduction.
14. Scientific statements are testable. Explain.
15. Distinguish between text book knowledge and frontier science knowledge.
16. Mention the types of bias in scientific experiment.
17. Explain the term level of significance.
18. Explain empiricism approach in science.
19. What are the disadvantages of sampling ?
20. Discuss the evolution of the Subject Operations Research.

PART - C

Answer any two questions :

(Weight 4 each)

21. Discuss the various steps in a scientific study.
22. Explain the definition of statistics as given by Prof. Horace Secrist.
23. Discuss the advantages of sampling over census.
24. Draw the two ogives for the following data :

Marks :	0 - 10	10 - 20	20 - 30	30 - 40	40 - 50
No. of Students :	8	12	30	22	8
