25104 (OR)

M.Sc. DEGREE EXAMINATION, APRIL 2015.

SECOND SEMESTER

ZOOLOGY

Paper IV— BIOSTATISTICS AND COMPUTER APPLICATIONS IN

BIOLOGY

Time : Three hours

Maximum : 75 marks
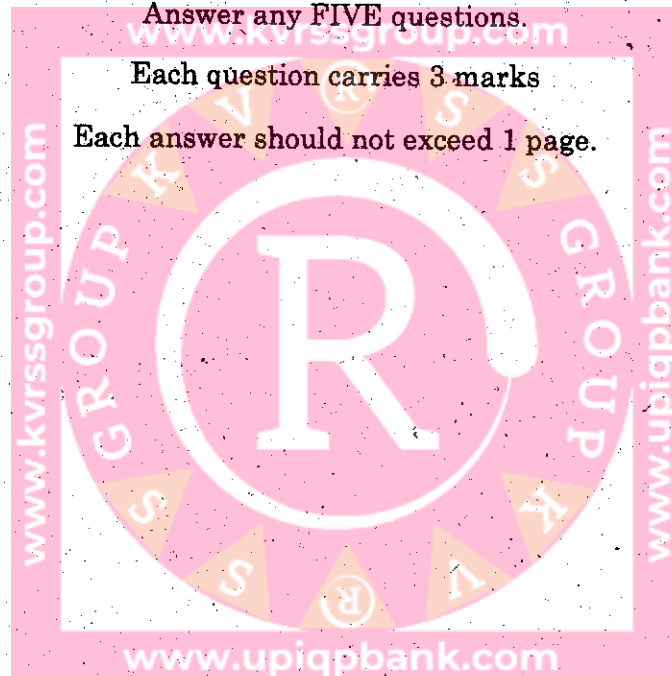
(No additional sheet will be supplied)

PART A — (5 × 3 = 15 marks)

Answer any FIVE questions.

Each question carries 3 marks

Each answer should not exceed 1 page.

1. Dispersion

2. Skewness

3. Probit analysis

4. Correlation

5. MS-DOS

6. Hard disc

7. File transfer

8. MS-EXCEL

PART B — (4 × 15 = 60 marks)

Answer ALL questions.

Each question carries 15 marks

Each answer should not exceed 6 pages.

9. What is arithmetic mean? How do you calculate the mean, median and mode for the given data?

Or

10. Explain the different types of diagrammatic representation of biological data.

11. Discuss the importance of ANOVA in experimental studies particularly for comparison.

Or

12. What are tests of significance? How do you conduct the tests based Student's distribution?

13. Give a detailed account on classification of computers.

Or

14. Explain in detail MS-ACCESS.

15. Discuss about uses of computer graphics and graphic forms.

Or

16. Describe the importance of statistical packages in data evaluation.

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