



K17U 1721

Reg. No. :

Name :

V Semester B.Sc. Degree (CBCSS-Reg./Sup./Imp.)

Examination, November 2017

(2014 Admn. Onwards)

CORE COURSE IN ZOOLOGY

5B06 ZLG : Biophysics, Biostatistics and Methodology

Time : 3 Hours

Max. Marks : 40

I. Answer any one.

(1×8=8)

- 1) Explain the principle of centrifugation. Describe any four types of centrifuges and two types of centrifugation.
- 2) What are the different methods of presentation of data in biostatistics ?

II. Answer any one.

(1×8=8)

- 3) Explain the principle and application of electron microscopy.
- 4) Explain the different methods of preservation of biological specimens.

III. Answer any two.

(2×4=8)

- 5) What are the different measures of central tendency ? Give equation.
- 6) What is biodiversity and how is it measured ?
- 7) What is X-ray crystallography ? Add a note on its application.
- 8) Write the principle and application of chromatography. Name any two types of chromatography.

IV. Answer any six.

(6×2=12)

- 9) Explain Plagiarism.
- 10) What is autoradiography ?
- 11) What is the principle of SEM ?

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- 12) What is micrometry ?
- 13) Give the principle of electrophoresis.
- 14) Explain the importance of Pilot study in research methodology.
- 15) What is hypothesis ?
- 16) What is correlation ?

V. Answer the following :

(1x4=4)

- 17) _____ is used to collect aquatic organism.
- 18) UV rays are _____ radiation.
- 19) _____ is unit of speed of centrifuge.
- 20) _____ is used to draw diagrams of microscopic specimens.