



0075409

K19U 2281

Reg. No. :

Name :

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

November-2019

(2014 Admn. Onwards)

Core Course in Zoology

5 B06 ZLG : BIOPHYSICS, BIostatISTICS & METHODOLOGY

Time : 3 hrs

Max. Marks : 40

- I. Answer **any one** of the following: (1×8=8)
- 1) Explain the principle, working methodology and applications of Phase contrast microscope.
 - 2) Describe various measures of dispersion.
- II. Answer **any one** of the following: (1×8=8)
- 3) Write a note on various methods of collection of biological specimens.
 - 4) Briefly explain on Radiation biology.
- III. Answer **any two** of the following: (2×4=8)
- 5) Explain the principle and application of Electron microscope.
 - 6) Mention key steps of scientific methods.
 - 7) Explain testing of hypothesis.
 - 8) Make a description about Taxonomic keys.
- IV. Answer **any six** of the following: (6×2=12)
- 9) Paramecium culture
 - 10) Taxidermy
 - 11) Histogram

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- 12) Species richness
- 13) Plagiarism
- 14) Ethics in science
- 15) Autoradiography
- 16) RIA

V. Answer the following (4×1=4)

- 17) Formalin is used for ----- preservation.
- 18) ----- is used to take measurement of microscopic objects.
- 19) ----- filaments are used as source of electron in electron microscope.
- 20) Goodness of Fit and ----- are the test of significance.