K23P 0512

Reg. No. : .....

Name : .....

II Semester M.Sc. Degree (C.B.S.S. – Reg./Supple./Imp.) Examination, April 2023
(2019 Admission Onwards)
ZOOLOGY
ZOO2C06 : Biophysics and Biometry

Time : 3 Hours Max. Marks : 60

PART – A
(Biophysics)

I. Answer **any two** of the following :

1) Describe the principle, procedure and applications of ion-exchange chromatography.
2) List out the biomedical applications of X-rays. Explain two methods of radioactivity measurement.
3) Describe the physical organization of the ear that enables hearing.
4) Briefly explain the principle, working and applications of fluorescence microscopy. **(2×12=24)**

II. Answer **any one** of the following :

5) What is PAGE ? Write its principle and applications.
6) Explain the principle and working of atomic absorption spectroscopy. **(1×8=8)**

III. Write briefly on **any two** of the following :

7) Density gradient centrifugation.
8) NMR spectroscopy.
9) Doppler ultrasonography. **(2×5=10)**

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PART – B
(Biometry)

IV. Answer **any one** of the following :

10) Describe various methods of data presentation in biometry.
11) Describe various methods used for measuring dispersion of data in biostatistics. **(1×8=8)**

V. Write briefly on **any two** of the following :

12) What is correlation ? Describe different types of correlation.
13) What is normal distribution? Write its applications in biometry.
14) Describe relationship between mean, median and mode. **(2×5=10)**