



K24U 2987

Reg. No. :

Name :

V Semester B.A./B.A. Afsal-UI-Ulama/B.Sc./B.Com./B.T.T.M./B.B.A./
B.B.A.-T.T.M./B.B.A.-A.H./B.C.A./B.S.W./B.M.M.C. Degree (CBCSS – OBE-
Regular/Supplementary/Improvement) Examination, November 2024
(2019 to 2022 Admissions)

V Semester Integrated M.Sc. Degree (Reg./Supple./Imp.)

Examination, October 2024

(2020 Admission Onwards)

Generic Elective Course

5D03 PHY : BIOPHYSICS

Time : 2 Hours

Max. Marks : 20

SECTION – A

Answer **all** questions. **Each** carries 1 mark.

1. Write any two difference between cardiac and tonic muscles.
2. What is the tonicity of muscles ?
3. What is centre of mass ?
4. What is EEG ?
5. Which electrical method is helpful for identify epilepsy ?
6. Write any two biological effects of radiation. (6×1=6)

SECTION – B

Answer **any four** questions. **Each** carries 2 marks.

7. How do cardiac muscles maintain the rhythmic contraction of the heart ?
8. Are tonic muscles capable of producing quick powerful contractions similar to those of striated muscles ?

P.T.O.



9. Write a short note about ECG.
10. What role do bioelectrical potentials play the functioning of the nervous system ?
11. How can occupational exposure be minimised in the workplace ?
12. What is stochastic effects ? (4×2=8)

SECTION – C

Answer **any one** question. **Each** carries **6** marks.

13. Explain the aerodynamic basis of flight.
14. What are the different methods used to protect ourselves from radiation ? (1×6=6)

