



K18U 1622

Reg. No. :

Name :

V Semester B.A./B.Sc./B.Com./B.B.A./B.B.A.T.T.M./B.B.A.R.T.M./B.B.M./
B.T.T.M./B.C.A./B.S.W./B.A.Afsal UI Ulama Degree (CBCSS – Reg./Sup./Imp.)
Examination, November 2018
(2014 Admn. Onwards)
Open Course
5D01PHY (D) : BIOPHYSICS

Time : 2 Hours

Max. Marks : 20

SECTION – A

Very short answer type. All questions to be answered. Each question carries 1 mark. (1×5=5)

1. ECG means
2. The product of mass and velocity is
3. The SI unit of force is
4. Radioactivity was discovered by
5. The life time of metastable state is of the order of

SECTION – B

Short answer type. Three questions to be answered. Each question carries 2 marks. (2×3=6)

6. Differentiate between half life and mean life periods.
7. Write any four properties of muscles.
8. State Newton's first law of motion.
9. Write a short note on NMR imaging.
10. Define Laser. What are its properties ?

P.T.O.



SECTION - C

Short essay/problem type. **Three** questions to be answered. **Each** question carries **3 marks.** (3×3=9)

- 11. With a suitable diagram explain the working of electrometer.
- 12. Explain labour activity monitoring.
- 13. Discuss briefly about ECG, EEG and VCG.
- 14. Discuss Bio-mechanical analysis of movement of snakes.
- 15. Explain the properties of α , β and γ -rays.