



K17U 1836

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 2017  
(2014 Admission Onwards)  
Open Course  
5D01PHY (D) : BIOPHYSICS

Time : 2 Hours

Max. Marks : 20

**Instruction :** Write answers in **English** only.

SECTION – A

Very short answer type – **All** questions to be answered – **Each** question carries 1 mark.

1. According to Newton's Second Law of motion  $F =$  \_\_\_\_\_.
2. Laser means \_\_\_\_\_.
3. The SI unit of Force is \_\_\_\_\_.
4. The product of mass and velocity is \_\_\_\_\_.
5. The muscles occurs only in heart is \_\_\_\_\_.

(5×1=5)

SECTION – B

Short answer type – **Three** questions to be answered – **Each** question carries 2 marks.

6. Define Half Life Period.
7. Write any to practical applications of X-ray.
8. Distinguish between natural and artificial radioactivity.
9. Define centre of mass.
10. Write down any two functions of muscles.

(3×2=6)

P.T.O.



SECTION - C

Short essay/problem type – **Three** questions to be answered – **Each** question carries 3 marks.

- 11. Explain the working of electrometer with a suitable diagram.
- 12. Write a short note on properties of muscles.
- 13. State Newton's laws of motion.
- 14. Discuss briefly about ECG, EEG and CT scan.
- 15. Explain labour activity monitoring.

(3x3=9)

SECTION - A

SECTION - B