



K16U 1814

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 – 2014 Admn. – Regular) Examination, November 2016  
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. The founder of x-ray is
2. EEG means
3. The SI unit of force is
4. Unit of radioactivity 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. What is radioactivity ?
7. Write any two properties of laser.
8. State Newton's first law of motion.
9. Discuss briefly about ECG.
10. Distinguish between excitability and extensibility.

(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 properties of  $\alpha$ ,  $\beta$  and  $\gamma$ -rays.
- 12. Explain labour activity monitoring.
- 13. Write down the different types of muscles. List 4 functions of muscles tissues.
- 14. Discuss the principle behind laser and its medical applications.
- 15. Discuss the method of producing X-rays using suitable diagram. (3×3=9)