K20U 1690

**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 Ul Ulama/B.B.A. (AH) Degree
(CBCSS – Reg./Sup./Imp.) Examination, November 2020
(2014 Admn. 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. The muscles occurs only in heart is _____.

2. EEG means _____.

3. According to Newton's second law of motion F = _____.

4. Unit of radioactivity is _____.

5. Life time of excited state in an atom is of the order of _____. (5×1=5)

SECTION – B

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

6. Distinguish between natural and artificial radioactivity.

7. Discuss briefly about cardiac muscles.

8. State Newton's third law of motion.

9. Explain foetal heart rate measurement.

10. Write any two practical applications of X-ray. (3×2=6)

SECTION – C

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

11. Write down the different types of muscles. List 4 functions of muscle tissues.

12. Explain labour activity monitoring.

13. Discuss Bio-mechanical analysis of swimming of fishes.

14. Discuss the principle behind laser and its medical applications.

15. Explain the properties of α, β and γ-rays. (3×3=9)

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