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M.Sc. III Semester Degree Examination, April/May - 2023

ZOOLOGY

DSE-1: HUMAN PHYSIOLOGY

(CBCS)

Time : 3 Hours

Maximum Marks : 70

Note : Answer **any FIVE** of the following questions. Question number **1 (Q-1)** is **compulsory** and each question carries equal marks.

1. Describe the components of integumentary system. Add a note on their function. **14**
2. Outline the physiology of respiration. **14**
3. Describe human heart and add a note on hemostasis. **14**
4. Explain the conduction of nerve impulse along the non-myelinated neuron. **14**
5. Write explanatory note on nutritional requirements of carbohydrates and vitamins in balanced diet. **14**
6. Write short notes on the following :
 - (a) Energy metabolism **5**
 - (b) Respiratory system disorders **5**
 - (c) Haemodialysis **4**
7. Write short notes on :
 - (a) Neurotransmitters **5**
 - (b) Biomembranes **5**
 - (c) Biosynthesis of glycogen **4**
8. Write short notes on :
 - (a) Physiology of protein digestion **5**
 - (b) Organs of excretory system **5**
 - (c) The limbic system **4**

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