

**C. ABDUL HAKEEM COLLEGE (AUTONOMOUS),  
MELVISHARAM - 632 509.  
SEMESTER EXAMINATIONS, NOVEMBER - 2018**

**B.Sc., ZOOLOGY**

**SEMESTER V**

**U15MZL503 – ANIMAL PHYSIOLOGY**

Time: Three Hours

Maximum: 75 Marks

**SECTION - A (10 X 2 = 20 Marks)**

Answer **ALL** Questions.

1. Polysaccharides.
2. Hydrolysis.
3. Atrium.
4. Pacemaker.
5. ATP.
6. Myosin.
7. Cornea.
8. Multipolar neuron.
9. Hypophysis.
10. Endometrium.

**SECTION - B (5 X 5 = 25 Marks)**

Answer **ALL** Questions.

11. a) Describe the different types of Proteins and its digestion mechanisms.  
(Or)  
b) Explain various enzymes role for food digestion.
12. a) Discuss the identification of Human Blood groups.

(Or)

- b) Describe the Electrocardiogram (ECG) and its uses.

13. a) Explain the Crustaceans and Fishes osmoregulation process.

(Or)

- b) Write briefly the physico-chemical properties of Muscle contractions.

14. a) Draw a neat structure and discuss of neuron.

(Or)

- b) Discuss the impulses transmission through neuromuscular junction.

15. a) Explain the islets of Langerhans structure and functions.

(Or)

- b) Describe the menstrual cycle in Human.

**SECTION - C (3 X10 = 30 Marks)**

Answer **ANY THREE** Questions.

16. Draw a neat diagram and functions of gastrointestinal system.
17. Write an essay the Human circulatory system of human.
18. Discuss the different kinds of excretory products in animals.
19. Describe the physiology mechanisms of Human Ear.
20. Write on male and female Sex Hormones and their functions.

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