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**SUBJECT CODE NO:- B-2175**  
**FACULTY OF SCIENCE AND TECHNOLOGY**  
**B.Sc. S.Y (Sem.-IV) Examination OCT/NOV 2019**  
**Zoology Paper- XI**  
**Animal Physiology (Special Emphasis on Mammals)**

[Time: 1:30 Hours]

[Max.Marks:50]

Please check whether you have got the right question paper.

**N.B**

1. Attempt all questions.
2. Illustrate your answer with suitable labeled diagram.

**Q.1** Explain in detail salivary secretion and digestion. 20

**OR**

What is respiration? Explain breathing mechanism.

**Q.2** Give in detail account on gametogenesis 20

**OR**Write short notes on **any four** of the following

- a) Smooth muscle
- b) Structure of nephron
- c) Testosterone
- d) Neurotransmitters
- e) Structures of nerve cell
- f) Muscle fatigue

**Q.3** Multiple choice questions 10

- 1) PH of human blood ranges between -----
  - a) 7.35-7.45
  - b) 6.9-7.00
  - c) 6.5-7.35
  - d) 7.00-7.2
- 2) Carboxyhemoglobin is formed when -----
  - a) CO<sub>2</sub> combines with haemoglobin
  - b) Carbon monoxide combines with hemoglobin
  - c) Nitrogen combines with hemoglobin
  - d) Carbon monoxide and carbon dioxide combines with hemoglobin
- 3) Bundle of his are located in the -----
  - a) Inter ventricular septum
  - b) Inter auricular septum
  - c) In the wall of right ventricle
  - d) In the wall of left ventricle

