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**SECOND YEAR (S.Y.B.Sc)**  
**COURSE CODE: ZOO23101**

**(Semester III)**

**Program:** B.Sc.Gen  
**Program Specific:** Animal Physiology  
**Course Type:** Mandatory Major  
**Paper:** I

**Credits:** 2  
**Time:** 2 Hours  
**Max. Marks:** 30  
**SET:** A

**Instructions to the candidate:**

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.
- 3) Draw a well labelled diagram wherever necessary.

**SECTION: A**

**Q1) Answer the following**

**[5 X 1= 5]**

1. Define nutrition in animals.
2. Define digestion in animals.
3. Define inhalation.
4. Explain neurogenic heart.
5. Define ultra-filtration.

**SECTION: B**

**Q2) Answer the following (Attempt any 5/7)**

**[5 X 2 =10]**

1. Describe peristalsis.
2. Explain circulation.
3. Sketch and label T.S. of kidney.
4. Explain BMR.
5. What are hormones?
6. Comment upon ABO blood groups system in human.
7. State the function of progesterone.

**SECTION: C**

**Q3) Answer the following/Write short notes on following (Attempt any 2/4)**

**[2 X 5 = 10]**

1. Write a note on Spermatogenesis.
2. Describe hormones of Adenohypophysis.
3. Write a note on the functions of human blood.
4. Write a note on gastric digestion.

**SECTION: D**

**Q4) Answer the following (Attempt any 1/2)**

**[5 X 1 = 5]**

1. Give an account of physiology of urine formation.
2. Write a note on mechanism of respiration.

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