

**BACHELOR OF SCIENCE (CBCS-2018 COURSE)**  
**S. Y. B. Sc. Sem-III : WINTER :- 2021**  
**SUBJECT: ZOOLOGY : HISTOLOGY OF MAMMALS**

Day : Monday  
Date 7/2/2022

W-18357-2021

Time : 10:00 AM-01:00 PM  
Max. Marks: 60

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**N.B.:**

- 1) All Questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Draw neat and labeled diagrams **WHEREVER** necessary.
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**Q.1** Attempt **ANY TWO** of the following **(12)**

- a) Describe histological structure of duodenum.
- b) Describe histological structure of spinal cord.
- c) Define connective tissue. Describe reticular and adipose connective tissue.

**Q.2** Attempt **ANY TWO** of the following **(12)**

- a) With suitable diagram describe histological structure of mammalian ovary.
- b) Describe histological structure of hairy skin.
- c) Give a detailed histological structure of pancreas.

**Q.3** Attempt **ANY TWO** of the following **(12)**

- a) Describe histological structure of thyroid gland.
- b) Describe different types of leucocytes and state the functions of each.
- c) Describe histological structure of trachea.

**Q.4** Attempt **ANY THREE** of the following **(12)**

- a) Write a note on stratified cuboidal epithelium.
- b) Sketch and label V. S. of tooth.
- c) Describe seminiferous tubule.
- d) Describe in brief L. S. of kidney.

**Q.5** Attempt **ANY FOUR** of the following **(12)**

- a) Write functions of epithelial tissues.
- b) Explain adrenal medulla.
- c) Explain merocrine secretion.
- d) Explain fungiform papillae.
- e) Write short note on cardiac muscle.
- f) Write note on simple alveolar gland.

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