

M.SC.(Zoology) (CBCS Pattern) Third Semester
PSCZOOT10-4- Special Group - Animal Physiology Paper-I
(Physiology of Digestion and Excretion) Paper-X

P. Pages : 1

Time : Three Hours



GUG/W/18/11310

Max. Marks : 80

- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Draw Figures wherever necessary.

1. Explain the mechanism of salivary secretion and add a note on composition and functions of saliva. **16**

OR

Write notes on.

- a) Histology of stomach.
- b) Mechanism of Pancreatic secretion.

2. Give an account of gastro-intestinal hormones. **16**

OR

Write notes on.

- a) Digestion and absorption of proteins and carbohydrates in the gastro intestinal tract.
- b) Histology of small and large intestine.

3. Describe the mechanism of urine formation. **16**

OR

Write notes on.

- a) Functional anatomy of kidney.
- b) Mechanism of concentration and dilution of urine.

4. Discuss on hormonal mechanism of renal physiology. **16**

OR

Write notes on:

- a) Physiology of nitrogen excretion.
- b) Renal failure.

5. Attempt the followings. **16**

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|---------------------------|-----------------------|
| a) Functions of liver. | b) Intestinal glands. |
| c) Constituents of urine. | d) Renal clearance. |
