

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

P. Pages : 1

Time : Three Hours



GUG/W/23/11310

Max. Marks : 80

1. Give a detail account on Mechanism of salivary secretion, composition and its function. **16**

OR

- a) Write a note on mechanism of gastric juice secretion.
- b) Give brief account on composition and function of pancreatic juice.

2. Describe in detail on absorption of carbohydrates and fats in the gastrointestinal tract. **16**

OR

- a) Chemical structure and functions of gastrointestinal hormone.
- b) Endocrine regulation of gastrointestinal movement.

3. Explain in detail counter current mechanism. **16**

OR

- a) Explain normal constituents of urine.
- b) Give brief account on anatomy of kidney.

4. Explain in detail on renal failure. **16**

OR

- a) Describe in brief hormonal mechanism of antidiuretic hormone.
- b) Explain in brief physiology of nitrogen excretion.

5. Attempt the following. **16**

- a) Bile secretion.
- b) Intestinal bacteria.
- c) Glomerular filtration.
- d) Renal clearance.
