

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

P. Pages : 1

Time : Three Hours



GUG/W/22/11310

Max. Marks : 80

- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Illustrate your answers with suitable diagrams.

1. Give details account on histology of salivary glands. **16**
OR
Write notes on-
a) Gastric glands
b) Histology and functions of pancreas.
2. Give details account on digestion and absorption of carbohydrates in the GI tract. **16**
OR
Write notes on-
a) Histology of intestine
b) Gastrointestinal hormones.
3. Give details account on mechanism of urine formation. **16**
OR
Write notes on-
a) Counter current principle
b) Functional anatomy of kidney
4. Give details account on regulation and hormonal mechanism of antidiuretic hormones. **16**
OR
Write notes on-
a) Physiology of nitrogen excretion.
b) Regulation of water, electrolytes & acid base.
5. Attempts the following- **16**
a) Histology of liver.
b) Gastrointestinal movements and secretion.
c) Normal and abnormal constituents of urine.
d) Renal failure.
