

PG CBCS
M.Sc. Semester- I Examination, 2021
ZOOLOGY

PAPER: ZOO 195 (PRACTICAL)

(Non- Chordates, Chordates, Histochemistry & Animal Physiology)

Full Marks: 50

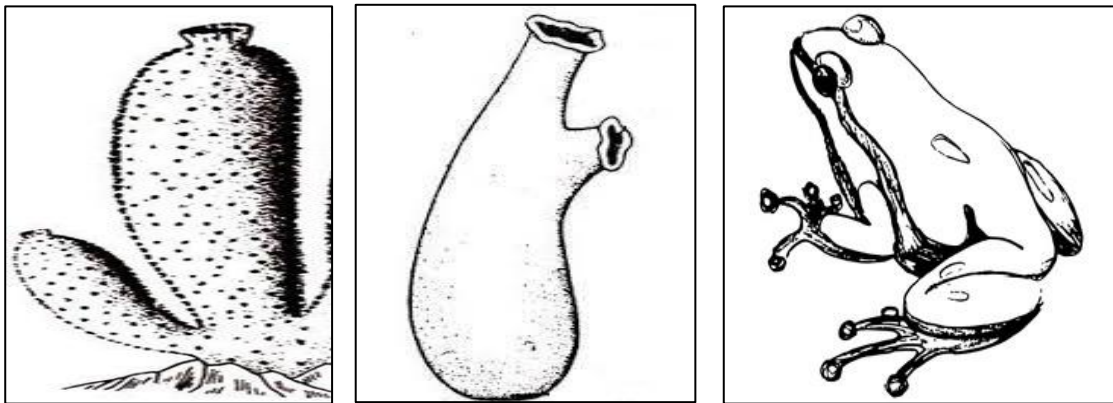
Time: 3 Hours

Write the answer for each unit in separate sheet

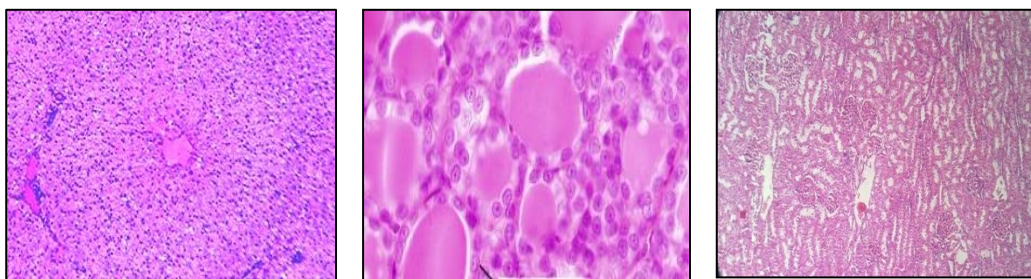
Answer any **TWO** questions of the following:

2X25=50

1. a) Identify the following specimens and write down their systematic position and identifying characters.



- b) Describe the procedure of paraffin technique tissue staining 15+10
2. a) Identify the following tissue sections and write their characters.



- b) Write the principle and procedure of blood staining method. 15+10
3. a) Write down the principle and procedure of pH estimation from water sample. Comment on the impact of pH on fish.
- b) Draw a detailed labelled diagram of V and VII cranial nerves of *Chana* sp. 10+5+10
4. a) Write the procedure of gut movement observation in rat using Dale's apparatus.
- b) Draw a detailed labelled diagram of stomatogastric nervous system of cockroach. 15+10