

M.Sc. - ZOOLOGY SEMESTER –III EXAMINATION, NOVEMBER-2017

Paper-09 (Comparative Anatomy) Paper code: 3694

Time: -2:30 Hours

Total Marks:-70

Instructions: (1) All Questions carries equal marks.

(2) Draw labeled diagram where necessary.

- Q: 01** Write comparative account on cranial nerves. **14**
- OR**
- Q: 01** What is filter-feeding mechanism? Explain it. **14**
- Q: 02** Write note on:
- (a) Epidermal glands in integuments. **07**
 - (b) Structure of Typical Mammalian vertebra. **07**
- OR**
- Q: 02** Write an account on pectoral girdles in animal. **14**
- Q: 03** Write note on: (a) Larval gills. **07**
- (b) Mammalian Ear. **07**
- OR**
- Q:03** Distinguish between respiration and breathing and explain reptilian and Avian lungs. **14**
- Q: 04** Write note on: (a) Universally accepted Portal system. **07**
- (b) Archinephric and mesonephric kidney. **07**
- OR**
- Q: 04** What is excretion? Explain nephron of larval Myxine and rabbit. **14**
- Q: 05** Write comparative account of ovary in animal. **14**
- OR**
- Q:05** What is minor phyla? Write its general characteristics and its significance with examples. **14**