

M.Sc. (Zoology) Sem.-III Examination

Oct. /Nov. – 2020

Zoology Paper: Zoo-09
Time: 1.5 hrs.

07 DEC 2020

Code No.: 20732
Total Mark: 42

Instruction:

1. Attempt any three questions
2. Figures on right indicate the marks.
3. Draw labeled diagram wherever required.

- Q.1 A** What is Gastrulation? Explain Gastrulation in any two organisms. **14**
- OR**
- Q.1 A₁** Define Holoblastic and Meroblastic Cleavage and explain types of Holoblastic Cleavage. **7**
- Q.1 A₂** How one organism develops? Explain cycle of Life. **7**
- Q.2 A** Give detail account on Embryonic development of Eye. **14**
- OR**
- Q.2 A₁** Explain Cleavage process in developing Chick embryo. **7**
- Q.2 A₂** Explain embryonic development of Foetal membranes. **7**
- Q.3 A** Write a detail note on functions of epithelial tissue. **14**
- OR**
- Q.3 A₁** Write a brief account of extra cellular matrix. **7**
- Q.3 A₂** Short note: Collagen fibre. **7**
- Q.4A** Explain in detail: Types of Bone. **14**
- OR**
- Q.4 A₁** Describe about the hormones involved in the process of digestion. **7**
- Q.4 A₂** Explain: Structure of Nephron. **7**