

VCD
230315

S.Y.BSc. Subject: Zoology Paper: I (USZO301) Sem: III Max Marks: 75
Time: 2.30hrs.

- Note: 1) All questions are compulsory
2) Figures to the right indicate full marks
3) Draw neat labeled diagram wherever applicable

- Q.1) Answer Briefly: (any 2) 20
- 1) Describe salient features of Phylum Porifera
 - 2) What is Lorica? Describe in detail
 - 3) Give an account of asexual reproduction in Protozoa
 - 4) Give a detailed account of Syconoid Canal System
- Q.2) Write short note on: (any 4) 20
- 1) Types of Blastula
 - 2) Types of Meroblastic Cleavage
 - 3) Coelom formation in Birds
 - 4) Blastula in Mammals
 - 5) Invagination
 - 6) Significance of Fertilization
 - 7) Polygamy
 - 8) Types of eggs
- Q.3) Answer in Brief: (any 2) 20
- 1) Explain in detail types of Succession
 - 2) Describe the various factors affecting Population density
 - 3) Explain in detail effects of Light on Plants by Pigments of Chloroplast
 - 4) Describe Soil Profiling
- Q.4) Write short note on: (any 3) 15
- 1) Plasmalemma
 - 2) Function of Canal System
 - 3) Process of Capacitation
 - 4) Components of soil
 - 5) Haplo-diploid Parthenogenesis
 - 6) Crustose-Lichen Stage