

**FS – 29 / 15-16**

**Zoology**

**Paper – I**

*Time : 3 hours*

*Full Marks : 200*

*The figures in the right-hand margin indicate marks.*

*Candidates should attempt Q. No. 1 from Section – A and Q. No. 5 from Section – B which are compulsory and any **three** of the remaining questions, selecting at least **one** from each Section.*

**SECTION – A**

1. Write brief account on any **two** of the following in about **200** words each : 20×2 = 40
  - (a) Conjugation in **Paramecium sp.**
  - (b) Canal system in Porifera
  - (c) Scale in fishes
  
2. Give comparative account of locomotion, feeding and respiration in different classes of Phylum Mollusca. 40

3. Write down the salient features of Echinodermata. Classify Echinodermata upto order with reasons and example. 40
4. Give comparative account of heart in Vertebrate series with neat diagram. 40

### SECTION – B

5. Write a brief account on any **two** of the following in about **200** words each :  $20 \times 2 = 40$
- (a) Integrated pest management
- (b) Method of studying animal behavior
- (c) Coccidiosis in cattle
6. Discuss the strategies of wildlife conservation in India with special reference to schedule 1 animal. 40
7. Pollution and its impact on biosphere with its control. 40
8. (a) Describe the basic principles and applications of Transmission Electron Microscope. 20
- (b) Tick borne diseases. 20

