

S-1013

M.Sc. (First Sem.) Examination, 2024-25

ZOOLOGY

[Paper - I (MSZOO-101)]

[Animal Diversity]

Time : 2:30 Hours]

[M.M. : 80

Note: This question paper consists of two sections : Section 'A' and 'B'. Attempt any four questions each from Section 'A' and 'B'. Limit your answer within the given answer book. B answer book will not be provided.

SECTION—A

(Short Answer Type Questions)

4×5 = 20

1. Write a short note on regeneration in sponges.
2. What is holozoic and saprozoic nutrition in protozoa with suitable example?
3. Explain the taxonomic importance of Onychophora.

S-1013/2

(1)

4. Describe the external and internal morphology of Aschelminthes
5. Describe the affinities of Rotifera.
6. Write down the general character of Celenterata.
7. Write a note on pearl formation.
8. Describe the parasitic adaptation in Hirudinaria.

SECTION—B

4×15 = 60

1. Explain the locomotor organelles and locomotion in protozoa.
2. Describe the sexual and asexual reproduction in protozoa.
3. What is the canal system and describe the different type of canal system and its significance?
4. What is the polymorphism? Explain polymorphism in coelenterate with suitable diagram.
5. Describe the larval form of crustacea with diagram.
6. Explain the water vascular system in Echinodermata.
7. With the help of suitable examples compared morphologically all class of Annelida.
8. Describe the major features of torsion in gastropods.
