

END OF SEMESTER EXAMINATIONS, NOVEMBER - 2017
ZOOLOGY PAPER - I: INVERTEBRATA AND CHORDATA

SUBJECT CODE : 16UBZO01

MAJOR : B.Sc (Botany)

TIME : 3 HOURS

SEMESTER : I

MAX. MARKS: 75

SECTION A - (10 X 1 = 10)**Answer All the Questions:**

1. Mention any two significance of conjugation in Paramecium.
2. Comment on the term blastostyles of Obelia.
3. Comment on the importance of Taenia solium.
4. Comment on the term metamerism in earthworm.
5. Comment on the term crystalline style in fresh water mussel.
6. Comment on the term Pedicellaria of star fish.
7. Mention the two types of stomach in Shark.
8. Mention about Cutaneous respiration in frog.
9. Mention about Sinus venosus of Calotes heart.
10. Comment on the term coprophagy habit of Rabbit.

SECTION B - (5 X 4 = 20)**Answer All the Questions:**

11. a) Examine the process of feeding mechanism of Paramecium.
[OR]
b) Differentiate polyp from medusa of Obelia.
12. a) Illustrate the external morphology of Tape worm.
[OR]
b) Elucidate the external morphology of Earthworm.
13. a) Describe gill respiration seen in Fresh water mussel.
[OR]
b) Enlist the different larval forms of Star fish.
14. a) Compare and contrast heart of Shark and Frog.
[OR]
b) Compare and contrast arterial system of Shark and Frog.
15. a) Compare and contrast the respiratory system of Calotes and Pigeon.
[OR]
b) Compare and contrast the heart of Calotes and Pigeon.

SECTION C - (5 X 9 = 45)**Answer All the Questions:**

16. a) Describe the process of conjugation in Paramecium.
[OR]
b) Describe the life history of Obelia colony.
17. a) Discuss about the excretory system of Earthworm.
[OR]
b) Analyse the male reproductive system of Cockroach.
18. a) Expound the digestive system of Fresh water mussel.
[OR]
b) Elucidate the water vascular system of Star fish.
19. a) Compare the digestive system of Shark and Frog.
[OR]
b) Compare the respiratory system of Shark and Frog.
20. a) Compare the digestive system of Calotes and Pigeon.
[OR]
b) Compare the digestive system of Pigeon and Rabbit.