

END OF SEMESTER EXAMINATIONS, NOVEMBER - 2018
ZOOLOGY PAPER - I
INVERTEBRATA AND CHORDATA
SUBJECT CODE: 16UBZO01

108

MAJOR: B.Sc. (Botany)
TIME : 3 HOURS

SEMESTER : I
MAX. MARKS: 75

SECTION - A (10 X 1 = 10)

Answer ALL the Questions:

1. Define the term cyclosis.
2. State the term Alternation of generation.
3. Distinguish between immature glottis and mature glottis.
4. Comment on the term clitellum of Earthworm.
5. Mention the role of organ of Bojanus.
6. Comment on the term autotomy.
7. Specify the role of scroll valve of Shark.
8. Mention the two types stomach of Frog.
9. Comment on the alveoli of Calotes lungs.
10. List out the names of muscles involved during respiratory movements in Pigeon.

SECTION - B (5 X 4 = 20)

Answer ALL the Questions:

11. a) Discuss about the process of binary fission of Paramecium.
(OR)
b) Differentiate polyp from medusa of Obelia.
12. a) Elucidate the male reproductive system of Taenia solium.
(OR)
b) Enlist the structure of mouth parts of Cockroach.
13. a) Elucidate the nervous system of Fresh water mussel.
(OR)
b) List down the different larval forms of Star fish.
14. a) Compare the digestive system of Shark and Frog.
(OR)
b) Compare the respiratory system of Shark and Frog.
15. a) Compare the digestive system of Calotes and Pigeon.
(OR)
b) Compare the digestive system of Pigeon and Rabbit.

SECTION - C (5 X 9 = 45)

Answer ALL the Questions:

16. a) Discuss the process of conjugation in Paramecium.
(OR)
b) Discuss the life history of Obelia colony.
17. a) Describe the excretory system of Earthworm.
(OR)
b) Describe the reproductive system of Cockroach.
18. a) Write down about digestive system of Fresh water mussel.
(OR)
b) Write down about water vascular system of Star fish.
19. a) Compare the Hearts of Shark and Frog.
(OR)
b) Compare the arterial system of Shark and Frog.
20. a) Compare the respiratory system of Calotes and Pigeon.
(OR)
b) Compare the Hearts of Pigeon and Rabbit.
