

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2022
(First Semester)

Branch –BOTANY

ZOOLOGY-I

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

1. Find out the Classification of protozoa is based on
(i) Food Vacuole (ii) Cyst structure
(iii) Types of locomotory organelles (iv) Habit and habitat
2. What is the length of *Paramecium*
(i) 0.17mm to 0.29mm (ii) 0.19 to 0.29mm
(iii) 0.22 to 0.29mm (iv) 0.19 to 0.39mm
3. Which of the following system is found in echinoderms?
(a) Nervous system (ii) Excretory System
(iii) Respiratory System (iv) System of internal skeleton
4. Which one is the frog respiration?
(a) Skin (ii) Buccal cavity
(iii) Lungs (iv) All the above
5. Identify the following contains pneumatic bones?
(i) Whale (ii) Shark (iii) Pigeon (iv) *Rana*

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

6. a) List down the general characteristics of phylum protozoa.
(or)
b) Bring out the salient features of Amphibia.
7. a) Classify the anatomy of *paramecium*.
(or)
b) Explain about the morphology of *Taenia selium*.
8. a) Describe the body organization of *pila*.
(or)
b) Sketch the external morphology of *penaeus*.
9. a) Sketch the digestive system of frog.
(or)
b) Summarise the digestive glands of shark.
10. a) Describe the digestive glands of pigeon.
(or)
b) Explain about the respiratory mechanism of Rabbit.

Cont...

SECTION -C (30 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** Marks (5 x 6 = 30)

11. a) Discuss the outline the phylum Arthropods with one suitable example.
(or)
b) Highlight the salient feature of mammals.
12. a) Elucidate the life history of *obelia*.
(or)
b) Discuss about the morphology of pork worm.
13. a) Explain about the external morphology of Starfish.
(or)
b) Classify the life cycle of *megascolex marutii*.
14. a) Discuss about the mechanism of respiration in Shark.
(or)
b) Enumerate the male reproductive system of Frog.
15. a) Illustrate the circulatory system of Pigeon.
(or)
b) Enumerate the external morphology of Rabbit.

Z-Z-Z

END