

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2019  
(First Semester)

Branch-BOTANY

ZOOLOGY-1

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10x1<sup>10</sup>)

- 1 Canal system is found in \_\_\_\_\_  
(i) Coelenterata (ii) Echinodermata  
(iii) Porifera (iv) Mollusca
- 2 Which of the following structure is present in all the chordates?  
(i) Cranium (ii) Notochord  
(iii) Spinal cord (iv) Vertebral column
- 3 The planula larva is found in the life history of \_\_\_\_\_  
(i) Hydrozoan (ii) Anthozoan  
(iii) Scyphozoan (iv) All the above
- 4 Which of the following is called 'Blood fluke' of man?  
(i) Taenia (ii) Paragonium  
(iii) Fasciola (iv) Schistoma
- 5 Penaeus belongs to the phylum  
(i) Porifera (ii) Annalida  
(iii) Arthropoda (iv) Mollusca
- 6 Spines are found on the body surface of:  
(i) Sycon (ii) Cockroach  
(iii) House-fly (iv) Star-fish
- 7 Sharks have a 'cartilaginous' structure and it may become  
(i) Calcareous (ii) Partially ossified  
(iii) Completely ossified (iv) Lignified
- 8 The skin of frog is meant for  
(i) Respiration (ii) Protection  
(iii) Water absorption (iv) All the above
- 9 Which one of the following is powerful muscle in pigeon?  
(i) Pectoralis Minor (ii) Pectoralis Major  
(iii) Tensor muscle (iv) Flexor muscle
- 10 A rabbit has the following number of toes.  
(i) 14 (ii) 16  
(iii) 18 (iv) 20

Cont...

**SECTION - B (35 Marks)**

Answer **ALL** Questions

**ALL** Questions Carry **EQUAL** Marks (5 x 7 = 35)

11 a Write short note on the general characters of coelenterata.

OR

b Give a brief note on salient features of reptiles.

12 a Explain about the structure of obelia colony.

OR

b Describe about the external structure of *Taenia solium*.

13 a Write down the morphology of Penaeus.

OR

b Write a brief note on cellular organization of starfish.

14 a Describe the function of digestive system in shark.

OR

b Explain the external morphology of frog.

15 a Write a short note on excretory system of pigeon.

OR

b Enumerate the structure and function of heart in rabbit.

**SECTION-C (30 Marks)**

Answer any **THREE** Questions

**ALL** Questions Carry **EQUAL** Marks (3 x 10 = 30)

16 Write a detailed note on outline classification of protozoa.

17 Write an elaborate note on life history of obelia.

18 Explain the morphology of star fish with suitable diagram.

19 Discuss about the circulatory system of frog with suitable diagram.

20 Give an essay on mechanism of respiration in rabbit.

Z-Z-Z

END