

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2018
(First Semester)

Branch-**BOTANY**

ZOOLOGY -1

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** marks (10 x 1 = 10)

- 1 Mention the name of false coelom animal
(i) Acoeleomata (ii) Pseudocoelomata
(iii) Coelomata (iv) None of these
- 2 Identify the sub-phylum of amphioxus.
(i) Cephalochordata (ii) Urochordata
(iii) Vertebrata (iv) Ascidiacea
- 3 Where is the distal end of the polyp has a conical elevation?
(i) Coenosarc (ii) Tentacles
(iii) Manubrium (iv) Mouth
- 4 Find out the number of suckers in the scolex of Tape worm
(i) 2 (ii) 4 (iii) 6 (iv) 8
- 5 Mention the segments present in prawn
(i) 17 (ii) 19 (iii) 21 (iv) 20
- 6 Name of each ambulacral groove contains four rows of thin-walled tubular structures in star fish
(i) Tube feet (ii) Papilla
(iii) Peristome (iv) Tentacle
- 7 Mention the skin of shark contains thousands of spines like structures
(i) Ptenoid scales (ii) Cycloid scales
(iii) Placoid scales (iv) None of these
- 8 State the first toe of frog
(i) Hallux (ii) Prehallux
(iii) Toes (iv) Webbed toes
- 9 Which types of feathers are present in the nestling?
(i) Quill feathers (ii) Filoplumes
(iii) Down feathers (iv) Rictal bristle
- 10 Mention the glottis, which is guarded by a bilobed flap of skin in rabbit
(i) Glottis (ii) Epiglottis
(iii) Laryngopharynx (iv) Gullet

SECTION - B (35 Marks)

Answer **ALL** Questions

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

- 11 a Organize the general characters of invertebrata.

- 12 a Narrate the structure of medusa.
OR
b State the salient features of Taenia Solium.
- 13 a Explain briefly about abdominal appendages of prawn.
OR
b Develop about the types of pedicellaria.
- 14 a Describe about mermaids purse of shark.
OR
b Explain shortly about the pulmonary respiration of frog.
- 15 a Bring out the male reproductive system of pigeon.
OR
b Narrate about coprophagy.

SECTION - C (30 Marks)

Answer any **THREE** Questions

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

- 16 Summarise the synoptic classification of chordates.
- 17 Discuss the life history of Obelia.
- 18 Elucidate the water vascular system of star fish.
- 19 Enumerate the life cycle of frog.
- 20 Analyze the male and female reproductive system of rabbit with neat diagram.

Z-Z-Z

END