

**PSG COLLEGE OF ARTS & SCIENCE**  
(AUTONOMOUS)  
**BSc DEGREE EXAMINATION MAY 2017**  
(First Semester)

Branch- **BOTANY** - ■ ' \*

**ZOOLOGY!**

Time : Three Hours

Maximum : 75 Marks

**SECTION-A (20 Marks)**

Answer **ALL** questions \*

**ALL** questions carry **EQUAL** marks (10 x 2 = 20)

Answer in ONE or TWO sentences.

- 1 Coelomata.
- 2 Notochord.
- 3 Nematoblasts.
- 4 Suckers of tape worm.
- 5 Telson.
- 6 Ambulacral Spines.
- 7 Clasper.
- 8 Cutaneous glands.
- 9 Preen gland.
- 10 Whiskers.

**SECTION - B (25 Marks)**

Answer **ALL** Questions

**ALL** Questions Carry **EQUAL** Marks (5 x 5 = 25)

- 11 a Write down the salient features of Invertebrata.  
OR  
b Enumerate the general characters of Chordates.
- 12 a Write short notes on polyps of Obelia.  
OR  
b Comment on the Scolex of Taenia.
- 13 a Explain the abdominal appendages of Penaeus.  
OR  
b Elucidate the functions of water vascular system of starfish.
- 14 a Give a brief note on external characters of frog.  
OR  
b Briefly explain about placoid scales of Shark.
- 15 a Write the structure and functions of Quill feathers.  
OR  
b List out the external characters of Rabbit.

**SECTION - C (30 Marks!)**

\* Answer any **THREE** Questions

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

- 16 Classify the chordates up to phylum level and add three salient features of each phylum with example.
- 17 Explain in detail about life history of Obelia.
- 18 Write an essay on segmentation of Penaeus.
- 19 Describe the external features of Shark.
- 20 Give a detailed account on morphology of Pigeon with a neat labeled diagram.