

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2019
(Second Semester)

Branch - ZOOLOGY

ANIMAL DIVERSITY - II

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

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

Find the chordate pharyngeal slits appear to have functioned first as

- (i) The digestive system's opening
- (ii) suspension-feeding devices
- (iii) Components of the jaw
- (iv) portions of the inner ear

Name the endoskeletons of most vertebrates are composed of calcified

- (i) Cartilage
- (ii) silica
- (iii) Chitin
- (iv) dentin

Find the sucking mouth and rasping tongue are present in

- (i) Ostracoderms
- (ii) Hag fishes
- (iii) lampreys
- (iv) Sharks

Which is the rat fish?

- (i) Salmons
- (ii) Lamprey
- (iii) Sharks
- (iv) Chimeras

Amphibians are poikilothermic, find their hibernation in

- (i) winter
- (ii) summer
- (iii) autumn
- (iv) spring

Identify the amphibian, reptilian, aves and mammalian belong to sub-phylum called

- (i) Pisces
- (ii) Echinodermata
- (iii) Chordate
- (iv) Tetrapoda

Fenestrae is absent in identify it.

- (i) Anapsida
- (ii) Synapsids
- (iii) Archosauria
- (iv) Lepidosatina

Which of the following structure is absent in reptiles?

- (i) Trachea
- (ii) Pharynx
- (iii) Larynx
- (iv) Vocal cords

Choose the order 'Edentata' includes

- (i) Tree slots
- (ii) Armadillos
- (iii) Anteaters
- (iv) All of the above

10 Name the 'Porcupines and 'Woodchucks' are members of order

- (i) Carnivora
- (ii) Chiroptera
- (iii) Rodentia
- (iv) Lagomorpha

SECTION - B (35 Marks)

Answer **ALL** Questions

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

- 11 a Narrate the characteristic features of chordata.
OR
b Describe the metamorphosis in Ascidian.
- 12 a Explain the accessory respiratory organs in fishes.
OR
b State the three classes of fishes and their examples.
- 13 a What are the outline characteristics of Amphibia?
OR
b Bring out the external features of frog with suitable diagrams.
- 14 a Summarise the general characteristic features of Reptiles.
OR
b Narrate the body structure of Calotes.
- 15 a Classify the specific characters make an animal is a bird/mammal.
OR
b Write the outline morphological characteristics of Rabbit.

SECTION - C (30 Marks)

Answer any **THREE** Questions

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

- 16 Elucidate the ciliary mode of feeding in Amphioxus.
- 17 Summarize the structure and functions of Scoliodon.
- 18 Discuss in detail about parental care in Amphibia.
- 19 Highlight the poisonous snakes and with first aid for the snake bite.
- 20 Enumerate the organ systems of Columba livia.

Z-Z-Z

END