

SEAT No. _____

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[59]

Sardar Patel University

V.V.Nagar

T.Y.BSc 6th semester

Zoology - US06CZOO21 (Verte brata)

Date: 15/07/2021

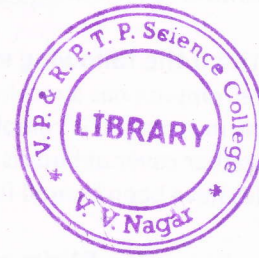
Marks: 70

Time: 10:00am to 12:00pm

Q.1 Multiple choice questions

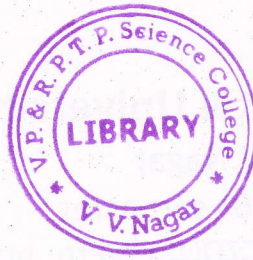
10

1. Body is covered by gelatinous test containing spicules occurs in:
a. Cephalocordata b. Hemichordata
c. Urochordata d. Both a and b
2. Buccal cirri in *Amphioxus* have:
a. Sensory papilla b. Skeletal rods
c. Cilia d. All of these
3. Muscles of trunk and tail in *Petromyzon* are arranged in:
a. D shaped myotomes b. E shaped myotomes
c. F shaped myotomes d. C shaped myotomes
4. Circuli of Cycloid scale is used to determine the
a. Age of fish b. Nutritional value of fish
c. Viability of the fish d. Sex of the fish
5. Lateral and median fins are used as
a. Swimming organs b. Defensive organs
c. Steering devices d. Sound producing organs
6. Age of reptiles is
a. Mesozoic b. Palaeozoic era
c. Carboniferous era d. Permian era
7. The African Ostrich can live in desert because
a. It can eat stones, nails, bones, etc
b. It can survive without water for long
c. It is unable to fly
d. It is the largest of all birds
8. The external nares in rabbit are surrounded by
a. Hare lip b. Vibrissae
c. Rhinarium d. Nictating membrane
9. Which of the following mammal acts as a pollinator?
a. Hyena b. Jackal
c. Monkey d. Rat
10. Rabbit by habit is:
a. Cursorial b. Scansorial
c. Arboreal d. Fossorial



(1)

(P.T.O.)



Q.2 Fill in the blanks

1 X 8 = 8

1. Ammocoete larva is _____ form.
2. The Exocoetus is commonly called flying larve _____.
3. Bag like beak occurs in _____.
4. The carnivorous mammal _____ recently became extinct in India

Q.2 Write if the following sentences are True or False

1. The *Petromyzon* has a rasping tongue.
2. Electric ray torpedo is completely scaleless.
3. The feather cover of birds is not helpful in buoyancy
4. Whales have been hunted for their meat.

Q.3 Short question (Write any ten)

10 X 2 = 20

1. Draw *Amphioxus*.
2. List the three common chordate character.
3. What is the reason that *Petromyzon* included in Agnatha?
4. Describe briefly fin system in fishes.
5. Define birds in two lines.
6. Write about origin of Modern amphibian.
7. Give characteristic morphological differences between tail of Shark and tail of *Labeo*.
8. Draw pigeon.
9. How the body shape of birds is helpful in aerial adaptation?
10. How are whales adapted to their mode of life?
11. How many teeth are found in mammals?
12. Give Salient features of mammalian class.

Q.4 Short Note (Attempt any 4 out of 8)

8 X 4 = 32

1. Describe the reproductive system in *Amphioxus*
2. Describe Buccal funnel in *Lamprey*
3. Describe the respiratory system of *Labeo*.
4. Describe types of fins in fishes
5. Describe the structure of a typical feather of a Pigeon.
6. Write a note on *Archaeopteryx*
7. Describe aquatic mammals and adaptations?
8. Write about economic importance of mammals.

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