



DO-003-001424

Seat No. _____

B. Sc. (Sem. IV) (CBCS) Examination

March - 2022

Zoology : P-Z-401

(Old Course)

Faculty Code : 003

Subject Code : 001424

Time : 2.30 Hours]

[Total Marks : 70

- Instruction :** (1) Draw neat and labelled diagram wherever necessary.
- (2) Figures to the right side indicate full marks for the question.

1 Answer the following question in short : 20

- (1) Dolium is belongs to class _____ of Urochordata.
- (2) In the term cephalochordata 'cephalo' means _____.
- (3) In scoliodon, caudal fin is _____.
- (4) In which process Epiboly of the cells is produced.
- (5) Poulorum is caused bu bacteria, (True or False)
- (6) Bowman's capsule is present in _____.
- (7) Name the national animal of India.
- (8) The complete name of PCR is _____.
- (9) In chick the incubation period is of _____ days.
- (10) In blastula stage of frog blastocoal lying towards the vegetal pole (True or False)
- (11) What is comman name of pinctada genus ?
- (12) Which gland is responsible for the secretion of vasopresin ?

- (13) Pepsin is a protolytic enzyme. (True or False)
- (14) In the structure of Pancreas insulin is secreted by _____.
- (15) Which stain is used in histological techniques.
- (16) The body of lung fishes is covered by _____ scales.
- (17) Name the largest non-poisonous snake.
- (18) Give the scientific name of calotes.
- (19) How many chambers are there in calotes.
- (20) Kangaroo is an egg laying mammal. (True or False)

2 (A) Answer any three. 6

- (1) Explain importance of pharmaceutical biotechnology.
- (2) Explain pectin of calotes.
- (3) Classify : Ostich.
- (4) Explain placoid scale.
- (5) Explain structure of blood cell.
- (6) Write the characters of Agnatha.

(B) Answer any three. 9

- (1) Draw structure of Nephron.
- (2) Explain Nutritive value of chick egg.
- (3) S. N. on Ranikhet.
- (4) Explain Gastric digestion.
- (5) Write characters of class Ascidia.
- (6) Write reasons for wild life depletion.

(C) Answer any two. 10

- (1) Describe Pomfret fisheries.
- (2) Describe any two threatened birds.
- (3) Explain digestive system in calotes.
- (4) Explain histological structure of Pancrease.
- (5) Classify - sting - ray (with characters).

- 3** (A) Answer any three. **6**
- (1) Write the function of Thyroid gland.
 - (2) Name hormones which control renal function.
 - (3) Name the disease caused by virus in poultry.
 - (4) Explain biotechnology.
 - (5) Explain the structure of ovum.
 - (6) Write steps for preparing of permanent slide.
- (B) Answer any three. **9**
- (1) Difference between poisonous and non-poisonous snake.
 - (2) Draw labelled diagram of brain in calotes.
 - (3) Explain single staining method.
 - (4) Describe types of nutrition.
 - (5) Describe wild life of India and its conservation.
 - (6) Explain Blastula stage in frog.
- (C) Answer any tow. **10**
- (1) Describe male reproductive system of shark.
 - (2) Describe blood cells.
 - (3) Explain process of formation of urine.
 - (4) Draw classification chart of chordata with examples.
 - (5) Describe wild animals : Loris and Black nilgiri langur.
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