



DT-003-001213

Seat No. _____

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

April / May – 2015

P-Z : 201 - Zoology

Faculty Code : 003

Subject Code : 001213

Time : $2\frac{1}{2}$ Hours]

[Total Marks :70

- Instructions:** (1) Draw neat and labeled diagram wherever Necessary.
(2) Figures to the right side indicate full marks for the question.
(3) MCQ answers should be written in the same answer sheet.

Que-1: Choose the correct one from multiple options. (20)

1. In which class exoskeleton made up by feathers?

[A] Amphibia

[B] Reptiles

[C] Aves

[D] Mammals

2. Which type of Antigene is present in 'B' blood group?

[A] Antigen A

[B] Antigen B

[C] Both

[D] None.

3. Which of the following is Cyclostomata?

[A] Herdmania

[B] Amphioxus

[C] Petromyzon

[D] Shark

4. Which measurement is commonly taken as 'Average'?

[A] Mean

[B] Median

[C] Mode

[D] None

5. Amphioxus is belongs to division.....

[A] Urochordate

[B] Cephalochordate

[C] Agnatha

[D] Pisces

6. in which animal, notochord present through the life?
- [A] Herdmania [B] Amphioxus
 [C] Sea-horse [D] Electric ray fish
7. Which genotype Chinchila have?
- [A] cc [B] CC
 [C] CC^h [D] C^{ch}C^{ch}
8. Which of the following is Oligosaccharide?
- [A] Maltose [B] Starch
 [C] Glycogen [D] Cellulose
9. In Rabbit, which of the following is completely dominant?
- [A] Agouti [B] Chichila
 [C] Himalayan [D] Albino
10. On the basis of classification, which of the following defer from other?
- [A] Skink [B] Draco
 [C] Crocodile [D] Siren
11. The average age of menopause is
- [A] 41 [B] 45
 [C] 51 [D] 55
12. If a mouth of a fish is apical in position, than the fish is.....
- [A] Bony [B] Cartilage
 [C] Cyclostomata [D] Epistomata
13. When one species is transformed into another, the speciation is called
- [A] Phyletic [B] True
 [C] Sympatric [D] Gradual
14. Which of the following is also called 'Sewall write effect'?
- [A] Speciation [B] Isolation
 [C] Genetic drift [D] None
15. Which of the following is not belongs to American breed of Fowl?
- [A] Rhode Island Red [B] Wyandotte
 [C] New Hampshire [D] Sussex

16. To whom 'AB' Blood group can be given?
[A] A & B [B] A & AB
[C] A & O [D] Only AB
17. Which of the following is not belongs to Granulocytes?
[A] Lymphocytes [B] Neutrophills
[C] Eosinophills [D] Basophills
18. Which of the following class having Mammary gland?
[A] Amphibia [B] Reptile
[C] Aves [D] Mammals
19. Which of the following is Desi breed?
[A] White leghorn [B] Assel
[C] Sussex [D] Wyendotte
20. In the blood coagulation, thromboplastin converts prothrombin into thrombin with the help of.....
[A] Mg ion [B] Fe ion
[C] Ca ion [D] Mn ion

Que - 2 : (A) : Answer any three out of six.

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1. Write the structure of Glucose
2. Explain Reproductive Isolation
3. Draw labeled diagram of sperm and ova of Amphioxus.
4. Classify chameleon.
5. Name the two hosts of Trypanosoma.
6. Write a note on R^h factor

(B) : Answer any three out of six.

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1. Explain Mode with Example.
2. Explain symptoms of Menopause.
3. Cage system of poultry house.
4. Explain Geographic Isolation.
5. Draw classification chart of Chordates.
6. Explain White Blood Corpuscles.

(C) : Answer any two out of five. 10

1. T. S. through pharynx in Amphioxus.
2. Explain coat color in Rabbit.
3. Explain different breed of chicken in short.
4. Explain blood coagulation with chart.
5. Write a brief note on fresh water Aquarium.

Que – 3 : (A) : Answer any three out of six. 06

1. Explain Feeder.
2. Write the formula of mean and median.
3. Name the plants used in fresh water aquarium.
4. Write salient feature of genetic drift.
5. Explain Lymphocytes.
6. Explain Erythroblastosis Foetalis.

(B) : Answer any three out of six. 09

1. Explain Muller's view on Isolation.
2. Write a short note on Platelets.
3. Explain life cycle of Flea.
4. Draw labeled diagram – Endostyle of Amphioxus.
5. Write general character of Amphibia.
6. Write a short note on Blood group.

(C) : Answer any two out of five. 10

1. Explain Alimentary canal in Amphioxus.
2. Explain Blood coagulation.
3. Explain life cycle of Trypanosoma.
4. Explain origin of micro molecules and macro molecules.
5. Explain Deep litter system of poultry house.