



NBG-003-001213 Seat No. _____

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

April / May - 2017

Zoology : Z-201

(Old Course)

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.

- 1 Write answer of following question in short : **20**
- (1) Describe Urochordate?
 - (2) Amphioxus belongs to which class?
 - (3) How many cells are present in morulla stage in amphioxus?
 - (4) Which type of cleavage is found in amphioxus?
 - (5) Define Multiple allele.
 - (6) What is antigen and antibody?
 - (7) What are coacervates?
 - (8) Define the types of respiration.
 - (9) What are the components of blood (name only)?
 - (10) Define mean.
 - (11) Give the name of two monosaccharides.
 - (12) What type of monosaccharide forms lactose?
 - (13) The name of disease caused by Entamoeba Histolytica.
 - (14) Give the name of parasitic insects which are harmful of mankind.

- (15) What is brooder?
- (16) What is poultry science?
- (17) Menopause occurs in which age?
- (18) Wouchereria brancoftii is the name of _____
- (19) Give the name of fishes are found in fresh water aquarium?
- (20) What is oligosaccharide?

2 (A) Answer any three out of six : 6

- (1) Classification of herdmania.
- (2) Structure of ovum of amphioxus.
- (3) What is Rh factor? Explain it.
- (4) What is geographical isolation?
- (5) Classification of monosaccharide.
- (6) Explain glycogen.

(B) Answer any three out of six : 9

- (1) Describe cleavage in amphioxus.
- (2) Describe Entamoeba Histolytica.
- (3) Explain the structure of maltose.
- (4) Describe blood component.
- (5) How macromolecules are formed during origin of life?
- (6) Describe the type of antigen and antibodies are present in blood.

(C) Answer any two out of five : 10

- (1) Describe the physiology of blood coagulation.
- (2) Explain the symptoms of menopause.
- (3) Detail Structure of starch.
- (4) Describe the physiology of respiration.
- (5) Explain origin of earth.

- 3** (A) Answer any three out of six : **6**
- (1) What is phyletic speciation?
 - (2) Describe multiple allele example in human.
 - (3) Which ion is necessary for blood coagulation?
 - (4) Define carbohydrates.
 - (5) Describe Blastulation stage in amphioxus.
 - (6) General characters of chordates.
- (B) Answer any three out of six : **9**
- (1) Short note on endostyle of amphioxus.
 - (2) Describe the 'C' gene characteristics in rabbit.
 - (3) Describe speciation with different types.
 - (4) What is genetic drift? Explain it.
 - (5) Explain erythroblastosis foetalis.
 - (6) Classification of polysaccharide with example.
- (C) Answer any two out of five : **10**
- (1) General characters of Reptiles.
 - (2) Describe any two parasitic Insects causing harmful effects to mankind.
 - (3) Explain about *Wuchereria bancrofti*.
 - (4) Describe fresh water aquarium.
 - (5) Life cycle of *Trypanosoma*.
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