



MBG-003-001213

Seat No. _____

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

March / April - 2018

Zoology

(Elective - I) (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 Objective type questions : **20**
- (1) Define multiple alleles.
 - (2) What is the average life span of R.B.C.?
 - (3) Filariasis is caused by _____
 - (4) How many number of cervical vertebrae's are present in Mammals?
 - (5) Sea horse belongs to class _____
 - (6) How many number of blastomeres are produced after 4th cleavage?
 - (7) Classify: Amphioxus.
 - (8) Separation of species is call as which name?
 - (9) What is median?
 - (10) In blood coagulation thromboplastin converts prothrombine into active thrombin with the help of _____
 - (11) What is mean?
 - (12) Which animal causes Gambia fever?

- (13) Scientific name of Fleas.
- (14) Classify : Dracunculus
- (15) Which is the desi-breed?
- (16) In which age women's ovaries become inactive?
- (17) The main symptoms of menopause is _____
- (18) Define : Pre menopause
- (19) Definition : Blood coagulation.
- (20) Two examples of class Amphibia.

- 2** (A) Answer any **three** out of six : **6**
- (1) Classify : Hedgehog
 - (2) Draw a labelled diagram of amphioxus sperm?
 - (3) Describe: Rh factor in blood
 - (4) Characters of multiple alleles.
 - (5) Symptoms of pinworm.
 - (6) Describe: Cage system in poultry farm.
- (B) Answer any **three** out of six : **9**
- (1) Describe: Cleavage in amphioxus
 - (2) Describe: Erythroblastosis Foetalis
 - (3) Endostyle in amphioxus.
 - (4) Write general characteristics of cephalochordate.
 - (5) Difference between agnatha and gnathostomata.
 - (6) Explain: Isolation
- (C) Answer any **two** out of five : **10**
- (1) Describe: Intensive method of houses.
 - (2) Describe: Deep litter system
 - (3) Describe: ABO blood group.
 - (4) Describe Trypanosoma.
 - (5) Digestive system in amphioxus with diagram.

- 3** (A) Answer any **three** out of six : **6**
- (1) Classify: Varanus
 - (2) Describe: Physiological isolation
 - (3) Describe: Ovum
 - (4) Describe: Brooders
 - (5) Describe: Aerobic respiration
 - (6) Explain: Pattern of speciation.
- (B) Answer any **three** out of six : **9**
- (1) Short note: Life cycle of bedbug
 - (2) Describe: Rhode Island Red
 - (3) Describe: Menopause phases
 - (4) Explain Mean with any one example.
 - (5) General characteristics of mammals.
 - (6) Describe: T.S. passing through pharynx
(With Diagram)
- (C) Answer any **two** out of five : **10**
- (1) Classification chart of Chordates.
 - (2) Describe: Mechanism of clotting
 - (3) Describe: White blood corpuscles
 - (4) Classification of monosaccharide.
 - (5) Describe: "C" gene in rabbit.
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