



MBG-003-10120020 Seat No. _____

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

March / April - 2018

Zoology : Paper - II

(New Course)

Faculty Code : 003

Subject Code : 10120020

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

[Total Marks : 70

- Instructions :** (1) Illustrate your answer with neat and labelled diagrams.
(2) Figures to the right side indicates Full marks of the question.
(3) Answers of Que.1 (M.C.Q) are to be written in given Main answer book.

- 1 (A) Objective type question : **4**
- (1) Any two characters of Class Aves
 - (2) Any two example of Class Osteichthis
 - (3) How many pair of gonads are present in amphioxus ?
 - (4) Amphioxus belongs to Which Class ?
- (B) Answer in brief : (any **One** out of Two) **2**
- (1) Draw labelled diagram of ova of Amphioxus
 - (2) Any four characters of class Amphibia
- (C) Answer in detail (any **One** out of Two) **3**
- (1) Endostyle of Amphioxus
 - (2) Gastrulation in Amphioxus

- (D) Write a note on (any **One** out of Two) 5
- (1) General character of class Mammals
 - (2) Digestive system of Amphioxus
- 2** (A) Objective type question : 4
- (1) Definition of Lamarckism
 - (2) Any two character of Multiple Alleles
 - (3) What is the genotype of Himalayan rabbit ?
 - (4) Who is known as universal recipient ?
- (B) Answer in brief (any **One** out of Two) 2
- (1) Reasons for incompleteness of Fossils
 - (2) Describe Natural selection
- (C) Answer in detail (any **One** out of Two) 3
- (1) ABO blood group
 - (2) Types of fossils
- (D) Write notes on (any **One** out of Two) 5
- (1) The 'C' gene in rabbit
 - (2) Evolution of Modern Horse
- 3** (A) Objective type question : 4
- (1) In which form protein is absorbed in intestine of mammals ?
 - (2) Life span of R.B.C.
 - (3) Define spermiogenesis
 - (4) Function of Platelets
- (B) Answer in brief (any **One** out of Two) 2
- (1) Digestion in Mouth (Buccal cavity)
 - (2) Name the Digestive enzymes Present in stomach of Mammals.

- (C) Answer in detail (any **One** out of Two) **3**
- (1) Digestion of Protein
 - (2) Coagulation of Blood
- (D) Write notes on (any **One** out of Two) **5**
- (1) Types and classification of W.B.C.
 - (2) Describe Oogenesis
- 4 (A) Objective type question : **4**
- (1) Which disease caused by Pin worm ?
 - (2) Name the infective stage of Entamoeba
 - (3) Which type of damage caused by Bed bug ?
 - (4) Which type of apparatus used in Poultry ?
- (B) Answer in brief (any **One** out of Two) **2**
- (1) Symptoms of Sleeping sickness
 - (2) Control measures of Flea
- (C) Answer in detail (any **One** out of Two) **3**
- (1) Life cycle and disease caused by filarial worm
 - (2) Cage system in Poultry
- (D) Write notes on (any **One** out of Two) **5**
- (1) Deep litter poultry house
 - (2) Life cycle, disease and control measures of Trypanosoma
- 5 (A) Objective type question : **4**
- (1) Which glands are present in Mammals ?
 - (2) Define Ovulation
 - (3) What is LH and FSH
 - (4) In which animals Hoofs are present ?

- (B) Answer in brief (any **One** out of Two) **2**
- (1) Difference between diestrus and anestrus
 - (2) Describe claws
- (C) Answer in brief (any **One** out of Two) **3**
- (1) Describe types of Horns
 - (2) Describe digital cornification
- (D) Answer in brief (any **One** out of Two) **5**
- (1) Menstrual cycle
 - (2) Heart in Aves and Mammals.
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