



JAQ-003-2011020

Seat No. _____

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

November - 2019

Z - 01 : Zoology

(New Course)

Faculty Code : 002

Subject Code : 2011020

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

[Total Marks : 70

Instructions : (1) Illustrate your answer with neat and labeled
(2) Figures to right side indicate full marks.

- 1 (A) Objective type question : 4
- (1) Leucosolenia belongs to which phylum?
 - (2) Define diploblastic
 - (3) The first coelomate animals are _____ phylum.
 - (4) Rizoastoma belongs to which phylum?
- (B) Answer in brief : (any **one** out of two) 2
- (1) Give the classification of Tape worm
 - (2) General characters of porifera
- (C) Answer in detail : (any **one** out of two) 3
- (1) Give the classification of Brittle star.
 - (2) Give salient character and examples of major animal groups of Annelida.
- (D) Answer in detail : (any **one** out of two) 5
- (1) Draw a chart of nonchordate classification with example.
 - (2) Classify Octopus and Dentalium

- 2 (A) Objective type questions : 4
- (1) Earthworm move with the help of _____
 - (2) Clitellum region is joining of _____ to _____ segments in earth worm
 - (3) Give name of excretory cells of Tape worm.
 - (4) The scientific name of tape worm.
- (B) Answer in Brief : (any **one** out of two) 2
- (1) Classify with reason: Earth worm.
 - (2) Describe. Scolex of tape worm
- (C) Answer in detail : (any **one** out of two) 3
- (1) Draw a diagram of digestive system of earthworm.
 - (2) Describe: Septal nephridia
- (D) Answer in detail : (any **one** out of two) 5
- (1) Explain: Mature and gravid segment of tape worm with diagram
 - (2) Explain: Reproductive system of earthworm.
- 3 (A) Objective type questions : 4
- (1) Define incomplete dominance.
 - (2) Aunit membrane hypothesis for plasma membrane structure was provided by _____
 - (3) Write only name of endoplasmic reticulum type.
 - (4) Define dihybrid cross
- (B) Answer in Brief : (any **one** out of two) 2
- (1) Give an example of monohybride cross
 - (2) Function of endoplasmic reticulum.

- (C) Answer in detail : (any **one** out of two) **3**
- (1) Describe : nucleus
 - (2) Describe : Co-dominance.
- (D) Answer in detail : (any **one** out of two) **4**
- (1) Describe : ABO blood group in human.
 - (2) Explain structure and function of mitochondria
- 4 (A) Objective type questions : **4**
- (1) Sleeping sickness is caused by _____
 - (2) Feeder is used for _____
 - (3) Give the name of disease caused by Filarial worm
 - (4) Give the name of disease caused by Round worm
- (B) Answer in Brief : (Any **one** out of two) **2**
- (1) Describe causes and symptoms of disease caused by Guinea worm.
 - (2) Give an introduction of poultry science
- (C) Answer in detail : (any **one** out of two) **3**
- (1) General account on poultry apparatus (Any two).
 - (2) Describe causes and symptoms of disease caused by pin worm.
- (D) Answer in detail : (any **one** out of two) **5**
- (1) Describe types of poultry house.
 - (2) Describe causes, symptoms and treatment of disease caused by entamoeba.

- 5 (A) Objective type questions : 4
- (1) Define : primary consumer in ecosystem
 - (2) Camel is showing _____ adaptation
 - (3) Give name of abiotic factor.
 - (4) Fishes are showing _____ adaptation.
- (B) Answer in brief : (any **one** out of two) 2
- (1) Give an brief account on fresh water ecology
 - (2) Define only type : Arboreal adaptation.
- (C) Answer in detail : (any **one** out of two) 3
- (1) Describe : marine ecology
 - (2) Describe : Burrowing adaptation.
- (D) Answer in detail : (any **one** out of two) 5
- (1) Describe volant adaptation.
 - (2) Describe primary aquatic adaptation
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