



JAQ-003-001113

Seat No. _____

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

November - 2019

Z - 101 : Zoology

(Old Course)

Faculty Code : 003

Subject Code : 001113

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

[Total Marks : 70

- Instructions :** (1) Illustrate your answers with neat and labelled diagrams.
- (2) Figures to the right side indicate Full marks of the question.

1 Select the correct answers from the given choices : **20**

- (1) Dragon fly belongs to which phylum?
- (2) Osculum is present in _____ animals
- (3) Tube feet is the peculiarity of phylum _____
- (4) Name the excretory organ of Annelids.
- (5) Scientific name of Earthworm.
- (6) Who is the primary host of Tapeworm ?
- (7) Eggs of _____ mosquito are cigar shaped.
- (8) In which segment Ovary is situated in Earthworm ?
- (9) _____ is known as powerhouse of cell.
- (10) Who coined the term Mitochondria?
- (11) Liver produces _____ fluid.
- (12) Secretion of _____ by cells of stomach makes stomach acidic.

- (13) Name the primary consumers of Marine ecosystem.
- (14) Name the producer of fresh water ecosystem.
- (15) In which district Nal Sarovar bird sanctuary is situated ?
- (16) Camel is the example of _____ adaptation.
- (17) Examination of hair, saliva, blood etc. is a part of _____ science.
- (18) Shark possesses _____ types of scales.
- (19) Name any two boats which are generally used for fishing.
- (20) Endoskeleton of Osteichthyes fish is made up of _____

- 2 (A) Write any **three** out of six : **6**
- (1) Any four characteristics of Phylum Mollusca
 - (2) Any four external characteristics of Tape worm
 - (3) Draw labeled diagram of Pupa of Anopheles Mosquito.
 - (4) Any four characteristics of Class Polycheata.
 - (5) Any two adaptation of tape worm as endoparasite.
 - (6) Labelled diagram of scolex.
- (B) Write any **three** out of six : **9**
- (1) Classify Star fish with reason.
 - (2) Septal nephridia.
 - (3) Mouth parts of female Anopheles mosquito.
 - (4) Bladder worm.
 - (5) Any six salient features of Phylum Protozoa.
 - (6) Nervous system of Earthworm.
- (C) Write any **two** out of five : **10**
- (1) Salient features and classification up to class of Phylum Coelenterata.
 - (2) Digestive system of Earthworm with diagram.
 - (3) Matured proglottide of Tape worm.
 - (4) Reproductive system of Earthworm with diagram.
 - (5) Life cycle of Culex mosquito.

- 3 (A) Write any **three** out of six : **6**
- (1) Any four functions of Liver
 - (2) Arboreal adaptation (any four)
 - (3) Fauna of Gir National Park
 - (4) Volant adaptations (any four)
 - (5) Draw labelled diagram of Cycloid scales.
 - (6) Significance of Forensic science.
- (B) Write any **three** out of six : **9**
- (1) Structure of Endoplasmic Reticulum.
 - (2) Draw histological labelled diagram of Stomach.
 - (3) Any six desert adaptation.
 - (4) Types of Beaks in birds
 - (5) Differences between condricthyes and osteichthyes fish.
 - (6) Any two fishing nets.
- (C) Write any **two** out of five : **10**
- (1) Histological structure of lung.
 - (2) Aquatic adaptation.
 - (3) Fresh water ecosystem.
 - (4) Migration in birds.
 - (5) Gir National Park.
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