



**PBL-003-001113**

Seat No. \_\_\_\_\_

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

**November / December - 2018**

**Zoology**

**Faculty Code : 003**

**Subject Code : 001113**

Time : **2.30** Hours]

[Total Marks : **70**

- Instructions :** (1) Draw neat and labelled diagram wherever necessary.  
(2) Figures to the right side indicate full marks for the question.

- 1 Objective type question. **20**
- (1) Give the classes of protozoa.
  - (2) Peripatus belongs to which phylum ?
  - (3) Classify tapeworm.
  - (4) Write down the type of scales present in the fish.
  - (5) Write down the forensic science applications.
  - (6) Write down the area of Khijadia bird sanctuaries.
  - (7) Types of locomotion found in protozoa.
  - (8) Classify Chiton.
  - (9) Female anopheles lays egg in \_\_\_\_\_.
  - (10) In which segment of earthworm clitellum is present ?
  - (11) Which organ is responsible for mastication and digestion of food in human ?
  - (12) Synthesis of ATP is occurs in which cell organelles ?
  - (13) Main function of clitellum of earthworm is \_\_\_\_\_.
  - (14) Define ecosystem.
  - (15) Give any example of coelenterata Phylum.
  - (16) Give the name of gliding animals which shows passive flight.
  - (17) What is food poisoning ?
  - (18) What are metameres ?
  - (19) Which animal is the connecting link between annelida and arthropoda ?
  - (20) Which type of cells indicates immune system in liver ?

- 2 (a) Answer any **three** out of six. 6
- (1) Classification of Octopus up to class ?
  - (2) Function of cell membrane.
  - (3) Write difference between Protista and metazoa.
  - (4) Write down the Pupa of culex mosquito.
  - (5) Flora and fauna of Barda wild life sanctuary.
  - (6) Short note on migration.
- (b) Answer any **three** out of six : 9
- (1) Type of migration.
  - (2) Structure of endoplasmic reticulum.
  - (3) Scolex of tapeworm.
  - (4) Write abiotic factors of marine water ecosystem.
  - (5) Classify Peripatus.
  - (6) Mouthpart of anopheles mosquito.
- (c) Answer any **two** out of five. 10
- (1) Write only characters of porifera.
  - (2) Difference between culex larva and anopheles larva.
  - (3) Kutch desert wildlife sanctuaries.
  - (4) Describe the Mitochondria.
  - (5) Nervous system of earthworm.
- 3 (a) Answer any **three** out of six. 6
- (1) Classify : Star fish.
  - (2) Function of Lung.
  - (3) Describe any two types of nets.
  - (4) Describe hair analysis as biological aspects.
  - (5) Describe : Cysticercus larva.
  - (6) Write levels of organization in ecology.
- (b) Answer any **three** out of six. 9
- (1) Short note on volant adaptation.
  - (2) Describe the Forensic toxicology.
  - (3) Types of beaks.
  - (4) Explain Marine ecosystem.
  - (5) General characteristics of annelida.
  - (6) Female reproductive system in taenia solium.
- (c) Answer any **two** out of five. 10
- (1) Classification of chart of invertebrate.
  - (2) Describe : Intestine.
  - (3) Digestive system of earthworm.
  - (4) Describe : Marine national park.
  - (5) Difference between cartilaginous and bony fish.