



PBB-003-001324-A

Seat No. _____

Second Year B. Sc. (Sem. III) (CBCS) Examination

November / December - 2018

Z - 203 : Zoology

(Old Course)

Faculty Code : 003

Subject Code : 001324-A

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 indicate full marks of the question.
 - (3) Answers of Que.1 are to be written in given Main answer book.

1 Fill in the blanks and give answers : 20

- (1) The locomotary organs of Noctiluca are _____.
- (2) The first coelomate animals are _____.
- (3) The biggest phylum of animal kingdom is _____.
- (4) How many number of testes present in Leech ?
- (5) Sponging type of mouthparts are found in _____.
- (6) According to food and feeding behavior Pila is _____.
- (7) The main function of Ribosome is _____.
- (8) Lysosomes are abundant in _____.
- (9) Who discovered Golgi complex ?
- (10) The life span of honey bee workers is about _____.
- (11) The termite nest is commonly known as _____.
- (12) During which phase of cell division the structure of chromosome are clearly seen ?

- (13) In human being X type of ova fertilize by X type of sperm it will be produce _____.
- (14) Which is the infective stage in Khapara beetle ?
- (15) Which is the cheapest control in insect pest management ?
- (16) Lepisma is responsible for damaging of _____.
- (17) Define standard deviation.
- (18) In H_1 , N_1 , H stand for _____
- (19) Tuberculosis is spread by _____.
- (20) What is the full form AIDS ?

- 2 (a) Write any three out of six : 6
- (1) Classify Star fish.
 - (2) Any two characters of class gastropoda.
 - (3) Draw labelled diagram of sponging type of mouthparts.
 - (4) Any two function of Lysosome.
 - (5) What is the function of Clitellar gland in leech ?
 - (6) Draw labelled diagram of Osphradium.
- (b) Write any **three** out of six : 9
- (1) General character of Phylum Echinodermata.
 - (2) Describe Radula.
 - (3) Functions of Golgi complex.
 - (4) Polytene chromosome.
 - (5) Describe types of chromosome.
 - (6) External character of Leech.
- (c) Write any **two** out of five : 10
- (1) Describe digestive system of Leech.
 - (2) Describe digestive system of Pila.
 - (3) General character of Phylum Protozoa.
 - (4) Describe Ribosome.
 - (5) Describe Kappa particles in Paramecium.

3 (a) Write any **three** out of six : 6

- (1) Function of workers in Termite.
- (2) Parental care in Arius.
- (3) Damage by Rice weevil.
- (4) Define standard deviation.
- (5) Symptoms of Swine flu.
- (6) Control of Housefly.

(b) Write any **three** out of six : 9

- (1) Social behavior of Housefly.
- (2) Courtship behavior of peacock.
- (3) Biological control of Insect pest.
- (4) Describe mosquitoes as an affecting human health.
- (5) Find standard deviation from the following data :

x	6	7	8	9	10	11	12
f	3	6	9	13	8	5	4

- (6) Describe Tuberculosis.

(c) Write any **two** out of five : 10

- (1) Parental care in amphibian.
- (2) Describe wheat weevil as damaging food product.
- (3) Chemical control of Inst pest management.
- (4) AIDS
- (5) Find Standard deviation and standard error from the following data :

Class	0-10	10-20	20-30	30-40	40-50
f	5	8	2	7	3
