



BBB-003-001324

Seat No. _____

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

July – 2021

Zoology : Paper - 301

(Old Course)

Faculty Code : 003

Subject Code : 001324

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

[Total Marks : 70

- Instructions :** (1) Draw neat and labeled diagram wherever necessary.
- (2) Figures to the right side indicate full marks for the question.
- (3) Objective type answers must be written in the same answer-sheet.

1 Answer the following questions : 20

- (1) What is scientific name of Pila?
- (2) Which phylum characterized by jointed legs?
- (3) Which insect have Chewing and Lapping type of Mouth parts?
- (4) Who discovered the Golgi complex?
- (5) In which fly,, polyteen chromosomes are present?
- (6) Write any one example of Cytoplasmic inheritance.
- (7) In which social insect `Draw' cast found?
- (8) Write any two examples of Social behaviour.
- (9) Which behaviour is exhibited by Mid-wife-toad?
- (10) What is name of science which deals with Insects?
- (11) Which mosquito is responsible to produce Malaria?
- (12) By which common name Termite is know?
- (13) What is scientific name of House fly?

- (14) For which parameter, 'Range' is counted?
- (15) Pneumonia is caused by _____
- (16) Under which phylum Octopus is classified?
- (17) How many segments are present in body of Leech.
- (18) What is function of Tube-feet?
- (19) Write any one example of courtship behaviour.
- (20) How many forms are found in Lysosome?

2 (A) Attempt any **three** out of six : **6**

- (1) Classify in short - Aurelia.
- (2) Explain any two types of Chromosome.
- (3) Explain short classification of Starfish.
- (4) Testicular Nephridia.
- (5) Jaw of Leech.
- (6) Draw only figure: External character of Pila.

(B) Attempt any **three** out of six : **9**

- (1) Describe Redula of Pila.
- (2) Explain general characters of Annelida.
- (3) Write short note on Hemichordat.
- (4) Explain main characteristics of Mollusca.
- (5) Classify Phylum Porifera.
- (6) Write functions of Ribosome.

(C) Attempt any **two** out of five : **10**

- (1) Describe digestive system of Pila.
- (2) Explain Nerve system of Leech.
- (3) Draw classification chart up to examples.
- (4) Classify - Clypeaster.
- (5) Describe in short Tuberculosis.

- 3** (A) Attempt any **three** out of six : **6**
- (1) Write about Standard Error.
 - (2) Explain only - cast type in Termite.
 - (3) What is Parental Care?
 - (4) What is control of Wheat weevil?
 - (5) What is Variability?
 - (6) What are nucleosides?
- (B) Attempt any **three** out of six : **9**
- (1) Explain types of RNA.
 - (2) Describe Life cycle of Lepisma.
 - (3) What is morphology (characters) of Tse-Tse fly?
 - (4) Parental care in Mid-wife-toad.
 - (5) Courtship in Scorpion.
 - (6) Describe Osphradium in Pila.
- (C) Attempt any **two** out of five : **10**
- (1) Mouth parts of Honey bee.
 - (2) Explain Biological Control of insects.
 - (3) Cytoplasmic inheritance.
 - (4) Describe Structure and function of Lysosome.
 - (5) Write note on Standard deviation with example.
-