

A-4-B

Roll No

Total No. of Questions 11)

[Total No. of Printed Pages 3

X1RKDO18

20804-B

ZOOLOGY

(BIOLOGY)

Time 1½ Hours)

[Maximum Marks : 35

Section-A

(Long Answer Type Questions)

5 each

- 1 What is Cell ? Explain in brief the structure of Eukaryotic cell with suitable diagram

Or

What are Proteins ? Explain in brief the structure of proteins

- 2 Briefly describe the structure of human eye with the help of a labelled diagram.

Or

Describe the structure of human neuron with the help of a labelled diagram

Turn Over

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A-4-B

Section-B

(Short Answer Type Questions)

3 each

3. Give the characteristic features of living organisms
4. Give the general characteristic features of phylum arthropoda
5. Define Tissues. Explain in brief the epithelial tissue with the help of suitable diagram
6. Explain in brief double circulation (human)

Section-C

(Very Short Answer Type Questions)

2 each

7. Write a short note on Zoological parks
8. Differentiate between Mitosis and Meiosis
9. What are Macromolecules ? Give examples
10. Write down in brief morphology of Earthworm

Section-D

(Objective Type Questions)

1 each

11. (i) DNA replication/duplication takes place during which cell cycle stage :
 - (A) G₁ phase
 - (B) G₂ phase
 - (C) Interphase
 - (D) S-phase

- (i) Which epithelial tissue is found in the lining of stomach and intestine?
- (A) Squamous epithelium
 - (B) Cuboidal epithelium
 - (C) Columnar epithelium
 - (D) Ciliated epithelium
- (ii) Mark the odd one among the following :
- (A) Exocrine
 - (B) Endocrine
 - (C) Salivary gland
 - (D) Ligament
- (iv) Name the hormones secreted by adrenal medulla of adrenal gland.
- (v) The human cranium is made of bones. (Fill in the blank)