

Biology

Note: Time allowed for Section-B and Section-C is 2 Hours and 40 minutes.

SECTION-B

Q2: Answer any TEN parts. Each part carries FOUR marks.

- 1) State the symptoms and complications related to pneumonia?
- 2) Describe about the components of Renal Tubules?
- 3) Enumerate about the types and role of bone cells.
- 4) How the developments of Active membrane potential occur during nerves impulse transmission?
- 5) Why anterior pituitary is considered as master gland?
- 6) Write any four differences between innate and learning behavior?
- 7) Enlist the causes of miscarriage?
- 8) Define lactation and write the advantages of breast feeding?
- 9) What is ABO Blood Group System?
- 10) Compare Lamarckism with Darwinism?
- 11) Enlist the problems related to rapid growth in human population?
- 12) Discuss the steps of Gel Electrophoresis in DNA sequencing?
- 13) Give the importance of animal husbandry.

SECTION-C

Note: Attempt any THREE questions. All questions carry equal marks.

- Q3: Explain how Griffith and Avery proved that DNA is heredity material?
- Q4: (a) Illustrate about the larynx and trachea?
(b) Describe the role of hypothalamus in thermoregulation?
- Q5: (a) Note the differences between fibrous and synovial joints?
(b) Write a note on thyroid gland?
- Q6: (a) Explain briefly about biological fixation of nitrogen?
(b) Write the functions of spinal cord?

