

INTERNATIONAL INDIAN SCHOOL BURAI DAH

TERM EXAMINATION (2019 -2020)

SUBJECT: BIOLOGY

CLASS: XI

Duration: 3 Hours

Max. Marks: 70

SET -A

General Instructions:

1. All questions are compulsory.
2. This question paper consist of four sections A, B, C and D.
3. Internal choice is given in all the sections. A student has to attempt only one of the alternatives in such questions.
4. Section – A contains 8 questions of 1 mark each.
5. Section – B has 10 questions of 2 marks each.
6. Section – C is of 9 questions of 3 marks each.
7. Section – D has 3 questions of 5 marks each.
8. Wherever necessary, the diagrams drawn should be neat and properly labeled

SECTION -A

1. Name the cells of neural system which supports and protects the neuron.
2. Why insects are called uricotelic?
3. Name two layers of dicot seed coat.
4. What are pneumatophores?
5. What is meant by SAN?
6. Write the partial pressure of carbon dioxide inside human normal body tissue.
7. Write the dental formula of human beings
8. What is chyme?

Or

Write two symptoms of jaundice.

SECTION -B

1. What are the functions of tight junction and gap junction?
2. Write the scientific name of wheat and mango.
3. Draw the diagram of an epigynous flower and write an example.
4. Why do we call our heart myogenic? How it differ from gut muscles
5. Define the angina.

Or

Define the term emphysema

- 6. Write a short note on different type of leucocytes.
- 7. Define the term vital capacity.
- 8. What are porions ? What role do they play in diffusion?
- 9. Explain the terms thecodont and dyphyodont.
- 10. Differentiate between Guttation and transpiration.

Or

What are the basic layers of the wall of alimentary canal?

SECTION -C

- 1. Differentiate the two type of inflorescence in plants with the help of simple diagrams

Or

Differentiate valvate and vexillary aestivation in plants with appropriate examples.

- 2. Write the functions of hepatic caeca, gizzard, malpighian tubules.
- 3. Write short note on the eye of cockroach.
- 4. Draw a standard ECG and explain the different segments in it.
- 5. Write five steps involved in the process of respiration.
- 6. Explain the mechanism of breathing.
- 7. Briefly explain symplast and apoplast pathways.
- 8. With the help of labeled diagrams, describe the process of plasmolysis In plants. Write appropriate examples,
- 9. Explain mass flow hypothesis.

Or

Explain the absorption of digested food in different parts of Digestive system.

SECTION -D

- 1. Briefly explain three type of muscles in human beings with the help of neat diagrams.

Or

Explain placentation in plants with appropriate diagrams and examples.

- 2. Explain double circulation in human beings with neat diagram.

Or

Explain the transport of carbon dioxide in human beings.

- 3. Write the glands and their functions related to human digestive system.

Or

Briefly describe water potential and the factors affecting it.