

Tripura Board Class 10 Science Sample Question Paper

Sample Question Paper

Science

Biology

Theory

Time : 1 Hour

Full Marks : 27

Class –X

General Instructions

- i) There are a total of 12 questions in four sections in the question paper. All questions are compulsory.
- ii) Section A contains questions number 1 to 3 of very short answer type questions of 1 mark each.
- iii) Section B contains questions number 4- 8 of short answer type (SA- I) questions of 2 marks each.
- iv) Section C contains questions number 9- 11 of short answer type (SA- II) questions of 3 marks each.
- v) Section D contains question number 12 of long answer type question of 5 marks.

SECTION-A

Answer the following questions in a word or in a sentence :

1X3=3

1. Which part of our alimentary canal secretes HCl? **1**
2. Which part of our brain controls body balance? **1**
3. Write down the full form of CFC. **1**

SECTION-B

Answer the following questions within 20 words each :

2x5=10

4. Why is Adrenaline called an emergency hormone? Which gland secretes it? **1+1=2**
Or
Why is the intake of iodized salt advisable? **2**
5. Sex of a child is determined by father, not by mother -- Justify **2**
6. Write two differences between homologous and analogous organs. **2**
7. Name one plant and one animal that reproduce by budding. **2**
8. State the role of decomposers in ecosystem. **2**

SECTION-C

Answer the following questions with in 50 words each : **3x3=9**

9. What is reflex action? Represent a reflex arc with the help of a labeled diagram. **1+2=3**

10. Schematically represent Mendel's monohybrid cross up to F_2 generation. **3**

Or

What are fossils? State the importance of fossils as evidence of organic evolution. **1+2 =3**

11. How does double fertilization occur in flowering plants? **3**

SECTION-D

Answer the following question with in 100 words. **5x1=5**

28. Draw a labeled diagram of L.S. of human heart and show the circulation of blood through it with help of arrow marks. Why is the wall of left ventricle of heart thicker than that of right ventricle? **4+1=5**

Or,

Describe briefly the structure of nephron with the help of a labeled diagram. **3+2=5**

BIOLOGY (PRACTICAL)

Full Marks- 06

1. Experiment (any one from the following) : 4 marks

- a) Experiment to demonstrate that light is necessary for photosynthesis
- b) Experiment to demonstrate that CO_2 is given out during respiration.

Marks distribution:

Aim of the experiment-	01
Procedure-	02
Inference-	01

Total- 04

c) Identify four different parts of a dicot seed (Pea/gram)

Marks distribution:

Drawing-	02
Identification of four parts-	1/2X 4= 02

Total 04

2.Lab. Note Book- 01

3. Viva voce 01