

# Tripura Board Class 10 Biology 2026 Question Paper

Time Allowed :3 Hours

Maximum Marks :70

Total questions :21

## General Instructions

**Read the following instructions very carefully and strictly follow them:**

1. The paper is divided into Section A and Section B.
2. Section A includes objective-type questions.
3. All questions in Section A are compulsory.
4. Section B includes short answer, and long answer type questions.
5. Answers must be written legibly within the word limit.
6. Use of unfair means or electronic devices is prohibited.
7. Follow the correct format and instructions for each section.

**1. The xylem in plant bodies is responsible for which of the following functions?**

- (A) Transport of food
  - (B) Transport of amino acids
  - (C) Transport of oxygen
  - (D) Transport of water
- 

**2. From where is the growth hormone secreted?**

- (A) Thyroid gland
  - (B) Pituitary gland
  - (C) Pineal gland
  - (D) Adrenal gland
- 

**3. Which of the following is NOT a part of the male reproductive system?**

- (A) Vas deferens ()
  - (B) Seminal vesicle
  - (C) Fallopian tube
  - (D) Prostate gland
- 

**4. The chemical substance responsible for the depletion of the ozone layer is -**

- (A) CFC
  - (B) CO<sub>2</sub>
  - (C) DDT
  - (D) SO<sub>2</sub>
- 

**5. Where is bile synthesized?**

---

**6. What are the end products of fat digestion?**

---

**7. Which part of the brain maintains posture and body balance?**

---

**8. What is pollination?**

---

**9. Mention one function of the placenta.**

---

**10. What is the phenotypic ratio of a dihybrid cross in the F<sub>2</sub> generation?**

---

**11. If an 'X' chromosome-bearing sperm fertilizes an egg, what will be the sex of the child?**

---

**12. What is the increase in the concentration of pollutants at the highest trophic level called?**

---

**13. Write the full form of UNEP.**

---

**14. Write two differences between arteries and veins.**

---

**15(a). What is a food chain?**

---

**15(b). Why is energy flow in an ecosystem unidirectional?**

---

**16(a). What is a fossil?**

---

**16(b). Mention the importance of fossils.**

---

**17. Match the following modes of asexual reproduction with their respective organisms:**

- (i) Budding
- (ii) Regeneration
- (iii) Binary fission
- (iv) Multiple fission

Options to match with: (a) Planaria, (b) Leishmania, (c) Plasmodium, (d) Yeast

---

**18. What do you mean by reflex arc? Draw a simple reflex arc and label the following parts: (i) Receptor (ii) Sensory nerve (iii) Motor nerve (iv) Effector.**

---

**19(i). What is excretion?**

---

**19(ii). Draw a labeled diagram of the human excretory system.**

---

**19(iii). Name a nitrogenous excretory product present in human urine.**

---

---

**20(i). What is a synapse?**

---

**20(ii). Write the full form of ATP.**

---

**20(iii). Where is a gene located?**

---

**20(iv). Name two sexually transmitted diseases (STDs).**

---

**21(i). What is a stomata? Write the function of stomata.**

---

**21(ii). Why is the use of iodized salt logical/recommended?**

---