TENTH CLASS MODEL PAPER

SUMMATIVE ASSESSMENT - 2

GENERAL SCIENCE PAPER - II

Time: 2 Hrs. 45 Min. **(English Version)** **Max. Marks: 50**

Instructions:

1. **There are four sections and 33 questions in the paper.**
2. **Answers should be written in a given answer booklet.**
3. **There is an Internal Choice in Section - IV only.**
4. **Write all the answers visible and legibly.**
5. **15 minutes are given for reading the question paper and 2.30 hours given for answering questions.**

SECTION - I

Note: i) Answer ALL the questions.

ii) Each question carries $\frac{1}{2}$ Mark. **$12 \times \frac{1}{2} = 6$**

1. Name the three end products of photosynthesis?
2. Food sometimes enters the wind pipe and causes choking. How does it happen?
3. Read the sentence find the error and rewrite it? Rene Laennec discovered the first stethoscope. It is weight measure instrument.
4. Deepak said that 'Nephrons are functional and structural units of kidneys' how will you support him?
5. Give two examples of External fertilisation animals?
6. ..... Fluctuations of hormone levels results in sensation of hunger and motivation of consuming food.
7. Expand ICRISAT.
8. Grass → Grasshopper → Frog → Snake → Hawk

   Identify producer in above flow chart.
9. Who decides the sex of the baby Male or Female?
10. Identify the mismatched one.

    Cytokinins → Promote cell division

    Abscisic acid → Closing of stomata

    Ethylene → Seed dormancy
11. Why more urine is produced in winter?
12. Write human being dental formula.

SECTION - II

Note: i) Answer ALL the questions.

ii) Each question carries ONE Mark. **$8 \times 1 = 8$**

13. Write an equation for photosynthesis showing.

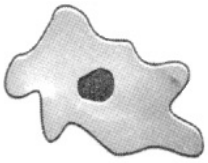
14. State two similarities between aerobic and anaerobic respiration.

15. What are the three main types of blood vessels in the body?

16. What is a synapse?

17. What happen if diaphragm is not there in the body?

18. What procedure do you follow to understand the effect of plant growth hormones?

19.  Identify this organism.

20. How do you feel about transportation of water in huge trees?

SECTION - III

Note: i) Answer ALL the questions.

ii) Each question carries TWO Marks. **8 × 2 = 16**

21. What are the advantages of sexual reproduction?

22. To keep your kidneys healthy for long period what questions will you ask a Nephrologist/Urologist?

23. What happens if all functions of the human body is controlled only by brain?

24. What is your inference about experiments with aphids?

25. Look at the following table and answer the questions.

Name of the Phylum/ Class	Excretory system
Platyhelminthes	Flame cells
Annelids	Nephridia
Mammals	Kidneys

i) What are the excretory organisms in Mammals?

ii) What are the excretory organisms in Annelids?

26. Collect information about carbon dating method.

27. To motivate people write slogans about organ donation.

28. Its very interesting to watch a creeper entwining its tendril to the support. Is not it? How do you express your feelings in this situation?

SECTION - IV

Note: i) Answer ALL the questions.

ii) There is an Internal Choice for each question.

iii) Each question carriers FOUR Marks. **5 × 4 = 20**

29. **a)** Why should we conserve forests and wild life?

(OR)

b) Distinguish between

i) Stimulus and Response

ii) Efferent and Afferent nerves

30. **a)** How does sex determination happen in human? Explain with an example?

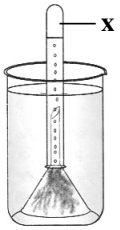
(OR)

b) What is malnutrition? Explain some nutrition deficiency diseases.

31. **a)** Suggest an experiment to prove the role of palate in recognising taste.

(OR)

b) Observe the experimental setup and answer the given questions.



i) What is the aim of this experiment?

ii) Identify 'x'.

iii) How much time kept in sunrise this experiment?

iv) How can you confirm released gas?

32. **a)** Collect information about any four environmentalists and their environment movements. Mention them.

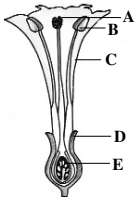
(OR)

b) Collect the information about different kinds of alkaloids. Mention them.

33. **a)** Draw the neat labelled diagram of internal structure of kidney.

(OR)

b) Observe the following diagram and answer the given questions.



i) Identify A, B, E.

ii) Identify C, D.

iii) Write about A, B, E functions.

iv) Write about C, D functions.

- SSS Sundara Sarma