

Bhavan's Tripura Vidyamandir1st Terminal Examination: (2024-2025)**Class:- 8**

Time:- 3 Hours

Name of the student :

Subject:- Science

Total :- 80 Marks

Roll: Section:

General instructions:-

- Question no 1 to 20 carrying 1 mark each
- Question no 21 to 29 carrying 2 marks each
- Question no 30 to 38 carrying 3 marks each
- Question no 39 to 41 carrying 5 marks each.

GROUP A**Study the case answer the following questions:-****(1X4)**

For centuries, wood was used as domestic and industrial fuel. But now it has been replaced by coal and other fuels like LPG. In many rural parts of our country, people still use wood as a fuel because of its easy availability and low cost. However, burning of wood gives a lot of smoke which is very harmful for human beings. It causes respiratory problem. Also, trees provide us with useful substances which are lost when wood is used as fuel. Moreover cutting of trees leads to deforestation which is quite harmful to the environment.

1. Now a days wood has been replaced by what –
2. choose the full form of LPG from given below-
 - a. Liquid petroleum gas
 - b. Light petroleum gas
 - c. Liquid paraffin gas
 - d. All of these
3. Define Deforestation.
4. Why wood has not been used as domestic fuel?

Choose the correct option:-**(1X4=4)**

5. Food preservation can be done by-
 - a. Boiling
 - b. Freezing
 - c. Pasteurisation
 - d. All of these.
6. Which of the following is not a traditional method of irrigation?
 - a. Wells
 - b. Canals
 - c. Rahat
 - d. Sprinklers.
7. The process of conversion of sugar into acid or an alcohol by the action of microorganisms are called –
 - a. Nitrogen fixation
 - b. Fermentation
 - c. Pasteurisation
 - d. Decomposition
8. The study of microorganism is called –
 - a. Microbiology
 - b. Physiology
 - c. Zoology
 - d. All of these.

Fill up the blanks:-**(1X4=4)**

9. Temperature at which a substance starts burning is called _____.
10. Friction depends on the _____.
11. The same kind of plants grown and cultivated on a large scale at a place is called _____.
12. Cholera is caused by _____.

Write down true or false for the following statements:-

(1X4)

13. Supply of water to crops at appropriate intervals is called irrigation-
14. Coke is almost pure form of carbon-
15. Protozoans cause serious diseases like dysentery and malaria-
16. Friction helps to stop moving vehicle-

Answer the following in short:-

(1X4=4)

17. Name the device used to measure static friction.
18. Write the organisms name and mode of transmission for the following diseases:
Citrus canker & polio.
19. What is pressure?
20. What are organic crops?

Answer the following questions:

(2X9=18)

21. Define: rolling friction & static friction.
22. What are inflammable substance? Give 2 examples.
23. Can the process of rusting be called combustion? Discuss.
24. Define pathogen with example.
25. What precautions must be taken while taking antibiotics?
26. Why the tools means for cutting and piercing always have sharp edges?
27. Write two uses of coal gas.
28. Iqbal has to push a lighter box and Shima has to push a similar heavier box on the same floor. Who will have to apply the larger force and why?
29. What is the difference between rabi and kharif crops? Give an example of each.

Answer the following question carrying three marks each:-

(3X9=27)

30. Why is not hydrogen gas used as a domestic or industrial fuel although it has a very high calorific value. State three reasons.
31. Write three differences between fertilizer & manure.
32. Why Sliding friction is less than static friction? Explain.
33. Draw 3 different types of microorganisms with name. Write two usefulness of microorganisms. **(1.5+1.5)**
34. Which crop replenish is nitrogen and how?
35. Paper by itself catches fire easily where is a piece of paper wrapped around an aluminium pipe does not catch fire why?
36. Define Gravitational force. An inflated balloon was pressed against a wall after it had been wrapped with a piece of synthetic cloth it was found that the balloon stuck to the wall. What force might be responsible for the attraction between the balloon and the wall? **(1+2)**
37. Describe the characteristics and uses of coke.
38. Write down the effect of force on an object.

Answer the following questions in broad:-

(5X3=15)

39. Which zone of a flame does a Goldsmith use for melting gold and silver and Why? Draw a candle flame with labelling. **(2+3)**
40. You spill a bucket of soapy water on a marble floor accidentally. Would it make easier or more difficult for you to walk on the floor and why? Give example of way of increasing and reducing friction. **(2+3)**
41. What is food preservation? Mention 4 process of food preservation with example. **(1+4)**