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SUMMATIVE ASSESSMENT -1 Sept-2025

CLASS: 8th STANDARD

MAX MARKS:40

SUB: SCIENCE

PART A - PHYSICS

I. Choose the correct answer in the following given below:

1X2=2

1. An illustration for a contact force is
 - a) falling of an apple from a tree
 - b) repulsion between the like poles of two magnets
 - c) pushing a car
 - d) attraction of paper pieces towards a charged plastic comb
2. The friction that occurs in liquids is called
 - a) Force
 - b) Drag
 - c) Pressure
 - d) Surface tension

II. Answer the following questions in one sentence each:

1X2=2

3. What is meant by Force?
4. What is the direction of the friction force when objects move?

III. Answer the following questions in two sentences each:

2X3=6

5. List any four effects of force on the objects.
6. Write the illustrations to decide that the friction generates heat.
7. Identify the type of force that depicts in the following examples. (in terms of contact or noncontact force)
 - i) Extraction of sugar cane juice using suitable device.
 - ii) Attraction of iron filings towards a magnet.
 - iii) Coconut falling from a tree.
 - iv) Lifting of a rice bag

IV. Answer the following questions in three sentences:

3X1=3

8. Give examples to show that friction is both a friend and foe

PART - B - CHEMISTRY

VI. Choose the correct answer in the following given below: **1X2=2**

10. Highest calorific value in these _____

- a) Wood b) Coal c) Kerosene d) Hydrogen

11. Example for inexhaustible natural resources

- a) Coal b) Petroleum c) LPG d) Sunlight

VII. Answer the following questions in one sentence each: **1X2=2**

13. LPG is a better domestic fuel than wood give reason.

14. Name a commonly used fire extinguisher.

VIII. Answer the following questions in two sentences each: **2X2=4**

15. Explain the process of formation of petroleum.

16. Which zone of flame does a goldsmith use for melting gold and silver and why?

IX. Answer the following questions in three sentences: **3X2=6**

17. Mention the difference between rapid combustion and spontaneous combustion with one example.

18. List out the uses of coal.

PART-C- BIOLOGY

XI. Choose the correct answer in the following given below: **1X1=1**

19. Amoeba is a type of _____

- a) Bacteria b) Virus c) Protozoa d) Fungi

XII. Answer the following questions in one sentence each: **1X2=2**

20. Name the microorganisms which can fix atmospheric nitrogen in the soil.

21. What is irrigation?

XIII. Answer the following questions in two sentence each: **2X2=4**

22. How do microorganisms clean our environment? Explain.

23. List any four importances of preparing of soil before sowing.

XIV. Answer the following questions in three sentences: **3X2=6**

24. Write the advantages of fertilizers and manure.

25. Briefly explain the various methods of food preservation.
