

**A K M PUBLIC SCHOOL**  
**FIRST SEMESTER EXAMINATION (SAMPLE QUESTION PAPER)**  
**SCIENCE**

**CLASS:VIII**

**MARK: 50**  
**TIME : 2 hrs**  
**(12×1=12)**

**SECTION – A**

1. Sound can not travel through .....  
a) Air b) water c) Iron d) Vacuum
2. Which of the following is an example of kharif crop ?  
a)pea b) mustard c) soyabean d) wheat
3. Friction always acts in which direction?
4. a) same as the direction of the object b) perpendicular to the direction of the object c)opposite to the direction of motion of the object d) none of these
5. What is the name of the process of conversion of sugar into alcohol  
a )crystallization b)evaporation c) fermentation d)distillation
6. Which of the following solutions do not conduct electricity ?  
a )lemon juice b) tap water c)vinegar d)vegetable oil
7. What is the SI unit of force ?  
a)metre b)Newton c)Pascal d) second
8. Which of the following process prevent corrosion of iron objects ?  
a)cooling b)refining c) electroplating d) heating
9. Purest form of carbon  
a)coal b)charcoal c)cock d)all of these
10. Which force is exerted by the Earth on all the objects?  
a)gravitational force b) frictional force c)electrostatic force d)mechanical force

**For question numbers 11 and 12 two statements are given-one labelled Assertion (A) and the other labelled Reason ®. Select the correct answer**

To these questions from the codes (a), (b), (c) (d) and (e) as given below.

- a) Both A and R are true, and R is the correct explanation of A.
  - b) Both A and R are true, and R is not the correct explanation of A.
  - c) A is true, but R is false.
  - d) A is false, but R is true.
  - e) A and R are false
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11. Assertion (A): Bakelite is used to make handles of utensils.  
Reason ®: Bakelite is a good conductor of heat.
  12. Assertion (A): Weeds are unwanted plants.  
Reason ®: Sickle is an implement used to remove weeds.

**SECTION – B**

**(7×2=14)**

13. How are protozoa useful to us?
14. What is pasteurisation? Who discovered?
15. What is LED? Explain.
16. List any four effects of force?
17. What is CNG? Why is it considered to be a better fuel than petrol?
18. Define atmospheric pressure. Why humans are not crushed by it?
19. Why sliding friction is less than static friction ?

**SECTION -C**

**(5×3=15)**

20. Why is proper storage of food grains important? How is it done?
21. Define drag. Write down the factors affecting drag.
22. Define a) amplitude b) frequency c)time period of a sound wave.
23. How is sound produced? List any two sources of noise pollution.
24. Explain the process of petroleum formation.

**SECTION – D**

**(1×4=4)**

25. A When we go to the market, we usually get things wrapped in plastic or packed in polythene bags. We get throwaway plastic bottles for mineral water and soft drinks we use at home. Sometimes, we use throwaway thermocol plates and cups in social gatherings at home. This is one reason why plastic waste keeps accumulating in our homes. Ultimately, plastic finds its way to the garbage. Disposal of plastic waste is a big threat to health and environment. This is because plastics are non-biodegradable substances. Now answer the following questions:

(i) Which one of the following is not a bio-degradable substance?

- a) Cotton c) Nylon b) Wood d) Wool

(ii) An example of a plastic known for its lightness and used for making packaging materials.

- a) Melamine b) Thermocol c) Bakelite d) PVC

(iii) Which one of the following is used for making carry bags

- a) Teflon b) Polythene c) Melamine d) Thermocol

(iv) Which of the following cannot be recycled.

- a) Polythene b) Nylon c) Melamine d) PVC

**SECTION-E**

**(1×5=5)**

26. Define Electroplating.

Draw a simple circuit showing the electroplating of copper and explain it.