

KENDRIYA VIDYALAYA SANGATHAN HYDERABAD REGION
COMMON FORMATIVE ASSESSMENT-I
QUESTION PAPER

CLASS : VIII
TIME : 1.5 Hours

SUBJECT : SCIENCE
TOTAL MARKS : 40

I. Fill in the blanks:

5 x 1 = 5

1. The supply of water to crops at different intervals is called as _____. 1
2. _____ is the nitrogen fixing bacteria found in the roots of leguminous plants. 1
3. _____ is used for making electrical switches and handles of various utensils. 1
4. Metals react with acids to produce _____ gas. 1
5. The process of separation of different constituents from petroleum is called as _____. 1

II. Choose the correct answer from the given options:

5 x 1 = 5

6. The advantage of ploughing is
 - a) it allows the penetration of roots of plants
 - b) it helps in proper aeration and eradicates weeds
 - c) it promotes the growth of useful bacteria
 - d) All of these
 1
7. The following is an antibiotic
 - a) Sodium bicarbonate b) streptomycin c) alcohol d) yeast
 1
8. Which of these is called as artificial silk ?
 - a) rayon b) polyester c) nylon d) none of these
 1
9. A sample of gas was found to burn with a pop sound. Which of the following could have given this result
 - a) oxygen b) hydrogen c) nitrogen d) carbon dioxide
 1
10. Which of the following is used as a domestic fuel ?
 - a) Petrol b) diesel c) LPG d) bitumen
 1

III. The following questions are short answer type. Each question carries 2 marks. 4 x 2 = 8

11. What do you understand by ploughing? What is its importance? 2
12. Write two methods of preserving food. 2
13. Distinguish between thermoplastics and thermosetting plastics with examples. 2
14. Write two ways in which we can help to meet energy crisis. 2

IV. The following questions are short answer type. Each question carries 3 marks. 4 x 3 = 12

15. Write differences between fertiliser and manure. 3
16. Write any two advantages and one disadvantage of plastics. 3
17. Give reasons for the following:
- a) Sodium and potassium are stored in kerosene.
 - b) Copper wires are commonly used in household cables.
 - c) Silver articles become black after sometime when exposed to air. 3
18. Write any three constituents of petroleum and their uses. 3

V. The following questions are long answer type. Each question carries 5 marks. 2 x 5 = 10

19. a) If micro-organisms were not there, the earth would have been full of garbage and unwanted materials. Why?
- b) Write any two ways in which micro-organisms are beneficial to us.
- c) Write any two ways in which micro-organisms are harmful to us. 5
20. a) What happens when zinc strip is dipped into blue copper sulphate solution? Why?
- b) What would happen to iron railings on the road side if they are not painted? Why does it so happen?
- c) Why should food stuffs like chutneys, pickles and curd not be stored in containers made of metals? 5

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COMMON FORMATIVE ASSESSMENT-I (SCORING KEY)

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TOTAL MARKS : 40

Q.No.	Value points	Marks
1	irrigation	1
2	Rhizobium	1
3	Bakelite	1
4	hydrogen	1
5	petroleum refining	1
6	d	1
7	b	1
8	a	1
9	b	1
10	c	1
11	loosening and turning of the soil	1
	any one use	1
12	By adding common salt or sugar or oil and vinegar or sodium benzoate or sodium metabisulphite or heat and cold treatments (any two)	1 + 1
13	One point of difference	1
	One example for each	$\frac{1}{2} + \frac{1}{2}$
14	Any two ways	1 + 1
15	Any three differences	1+1+1
16	Any two advantages	1+1
	Any one disadvantage	1
17	a) They are highly reactive and catch fire with air and water	1
	b) Copper metal is good conductor of electricity and is not very costly	1
	c) Silver undergoes corrosion on reaction with air	1
18	Any three constituents with use	1+1+1
19	a) They would not be decomposed	1
	b) Any two	2
	c) Any two	2
20	a) Blue colour of solution disappears and reddish brown coating of copper appears on zinc strip	1
	Zinc is more reactive than copper and it displaces copper from copper sulphate	1
	b) Iron railings get rusted	1
	Iron railings react with atmospheric oxygen and moisture	1
	c) metals react with the acids present in these food stuffs	1