



Test / Exam Name: Science - Physical And Chemical Changes

Standard: 7th

Subject: Science

Student Name:

Section:

Roll No.:

Questions: 21 Time: 01:00 hh:mm Marks: 31

Instructions

1. New section on new page
2. Rough work at the last page should be in proper manner too
3. Honesty is the best policy.

SECTION-A

- Q1.** When carbon dioxide is passed through lime water, then lime water becomes. 1 Mark
A Milky. B Shiny. C Silvery. D Golden yellow.
- Q2.** Chemical changes are: 1 Mark
A Those that are reversible B Those in which new substances are formed
C Those that do not release heat D All of these
- Q3.** Mohan Is Writing Some Sentences, Choose The Sentences Which Is Or Are Incorrect One: 1 Mark
A When carbon dioxide is passed through lime water, it turns milky due to the formation of calcium carbonate. B The chemical name of baking soda is calcium carbonate.
C Two methods by which rusting of iron can be prevented are painting and galvanization. D When a candle burns both physical and chemical change take place.
- Q4.** Which among the following is not a physical change? 1 Mark
A Melting of solids to liquids B Vaporisation of liquids to gasses
C Liquefaction of gasses to liquids D Decay of matter
- Q5.** Which salt is obtained from the evaporation of sea water? 1 Mark
A Sodium chloride B Magnesium chloride C Calcium chloride D Potassium chloride
- Q6.** Metal that is made by mixing iron with carbon, nickel and manganese is called. 1 Mark
A Stainless steel. B German silver. C Nichrome. D Eureka.
- Q7. Assertion (A):** Coating an iron sheet with a layer or zinc is called galvanisation. 1 Mark
Reason (R): The process which converts iron to iron oxide in the presence of moisture and air is called rusting.
A Both A and R are true and R is the correct explanation of A. B Both A and R are true but R is not the correct explanation of A.
C A is true but R is false. D A is false but R is true.
- Q8. Assertion (A):** Breaking of a bone china plate is a physical change. 1 Mark
Reason (R): When a bone china plate breaks, the pieces cannot be joined to get back the original plate.
A Both A and R are true and R is the correct explanation of A. B Both A and R are true but R is not the correct explanation of A.
C A is true but R is false. D A is false but R is true.
- Q9.** A medicine is the end product of the chain of _____. 1 Mark
- Q10.** Fill in the Blank. 1 Mark
Grinding of wheat grain changes its size. It is a _____ change.
- Q11.** Ships suffer a lot of damage though they are painted. True/ False 1 Mark
- Q12.** Formation of clouds is a physical change. True/ False 1 Mark
- Q13.** What is freezing point of water? 1 Mark
- Q14.** Name the process by which water molecules continuously change to vapour. 1 Mark
- Q15.** Explain how painting of an iron rod prevents it from rusting. 1 Mark

SECTION-B

- Q16.** Explain physical reaction along with examples. 2 Marks
- Q17.** Give example of two substances that can undergo physical and chemical changes, depending upon the conditions. 2 Marks
- Q18.** Which one is better technique to obtain sugar from sugar solution crystallization or evaporation to dryness? 2 Marks
- Q19.** How would you show that setting of curd is a chemical change? 3 Marks
- Q20.** When a candle burns, both physical and chemical changes take place. Identify these changes. Give another example of a familiar process in which both the chemical and physical changes take place. 3 Marks
- Q21.** Describe how crystals of copper sulphate are prepared. 4 Marks