

EVERWIN VIDHYASHRAM

11.07.2019 CHEMISTRY TT MARKS: 25
 STD: X (DAZ, CUTE, BLIS)

I. Answer in one sentence: 2x1=2

1. What is a balanced chemical equation?
2. What happens when quick lime is added to water?

II. Fill in the blanks: 2x1=2

1. Burning of coal is _____ reaction.
2. Respiration is an _____ process.

III. Choose the right option from the following statements:
 1x1=1

1. Assertion (A): Burning magnesium ribbon in air is (A) an exothermic reaction.
 Reason (R): Heat is given out along with the product,(R).
 i) (A) is true ii) (R) alone is true
 iii) Both (A) and (R) are true
 iv) (A) and (R) are incorrect.

SECTION B

IV. Answer the following in brief: 5x3=15

1. Balance the following chemical equations:
 a) $\text{HNO}_3 + \text{Ca}(\text{OH})_2 \rightarrow \text{Ca}(\text{NO}_3)_2 + \text{H}_2\text{O}$
 b) $\text{NaOH} + \text{H}_2\text{SO}_4 \rightarrow \text{Na}_2\text{SO}_4 + \text{H}_2\text{O}$
 c) $\text{BaCl}_2 + \text{H}_2\text{SO}_4 \rightarrow \text{BaSO}_4 + \text{HCl}$
2. Write the balanced chemical equation for the following and identify the type of reaction in each case.
 a) Potassium bromide (aq) + Barium Iodide (aq) \rightarrow Potassium iodide (aq) + Barium bromide (aq)
 b) Hydrogen (g)+chlorine(g) \rightarrow Hydrogen chloride (g)
3. Why is photosynthesis considered as an endothermic reaction? Explain with chemical equation.
4. What does one mean by exothermic and endothermic reactions? Give examples.
5. Why hydrogen peroxide is kept in coloured bottles? Write the chemical equation and explain.

SECTION C

V. Answer the following in detail: 1x5=5

1. a) What is meant by decomposition reaction? Give an example
 b) Write one equation each for decomposition reactions where energy is supplied in the form of heat, light or electricity.

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11.07.2019 SOCIAL TT MARKS:25
 STD: X (MAJ,AWE,CAP,EXCE)

I. Answer the following: 10x½=5

1. The total income of the country divided by its population is called _____.
2. Which organization publishes the HDR.
3. Give an example of non-renewable resource.
4. When is a person considered to be undernourished?
5. What are the two aspects that the development can be viewed?
6. According to World Development Report. low- income countries are those which have per capita income of _____.
7. Abbreviate: BMI
8. _____ measures the proportion of literate population in the 7 and above age groups.
9. Per capita income is calculated in _____ for all countries.
10. There are countries like which have low reserves and hence want to secure oil through military or economic power.

II. Answer the following: 5x3=15

1. What is development?
2. Mention any three indicators of HDI.
3. What is IMR? Why Kerala has a low IMR?
4. What may be the non-moneytary thing people respect more?
5. Define Per capita income.

III. Answer in detail: 1x5=5

1. What is sustainable development? How can sustainable development be achieved?