Golden Days Universal School,Ozar

Assignment-IV 2020-2021

Class-X   **Subject: English**   **Date:**

Q1. The following passage is not edited. There is one error in each line. Write the
incorrect word and the correction in the space provided as given below.
Then Ashoka has admitted something that no victorious _____   _____
king or political leader in front of or after him   _____   _____
had ever confessed on. He said he felt remorse _____ _____
on having killed tens of thousands of innocent people _____ _____
for conquering Kalinga. This has not the old warrior _____ _____
Ashoka talking – this was a changed man admit his mistakes _____ _____
and his thoughts of the futility and tragedy of war. _____ _____
Ashoka got his words carving in stone to make sure _____ _____
that his message will not forget. _____ ____

Q2. **Complete the following sentences using appropriate verb forms.**

On our last day at the farm, I ………1……… out into the desert after sunset. You can't step
out during the day because the sun ………2…….. too hot. I ………3………. I would be the only
thing out of doors at that time. Abruptly, I ………4………. short. A rattlesnake ………5……….
rigid before me. Its head …………6……. back to strike. Most snakes ………7……….. at the sight
of a man, but the one that I …………8…….. in the desert on that evening ………9………. no
such necessity. He ………10………. his ground in calm watchfulness ………11…….. for me to
show my intentions.

Q3. Write a letter to the municipal corporation for the garbage's spilled on the roads due
to this many kinds of diseases have been affected in your area. You are sheeba/ sumit .
address of your locality is 23/4 jamnagar delhi -6.

Q4. Write a diary entry on the earth day celebration you did in your house.

(Q.1) The sum of a number and its reciprocal is $\frac{10}{3}$. Find the numbers.

(Q.2) Divide 12 into two parts such that the sum of their square is 74.

(Q.3) The sum of two numbers is 15. The sum of their reciprocal is $\frac{3}{10}$. Find the number.

(Q.4) The sum of the square of two consecutive odd numbers is 394. Find the numbers.

(Q.5) The sum of the square of two consecutive natural number is 421. Find the numbers.

(Q.6) A two digit number is 5 times the sum of its digits and is also equal to 5 more than twice the product of its digits. Find the number.

(Q.7) A two digit number is such that the product of its digit is 18. When 63 is subtracted from the number the digit interchange their places. Find the number.

(Q.8) The denominator of a fraction is one more than twice the numerator. If the sum of fraction and its reciprocal is $2\frac{16}{21}$. Find the fraction.

(Q.9) The age of a man is twice the square of the age of his son. Eight years hence, the age of man will be 4 years more than three times the age of his son. Find their present age.

(Q.10) 7 years ago Varun's age was five times the square of Swati's age. 3 years hence, Swati's age will be two fifth of Varun's age. Find their present ages.

(Q.11) A metro boat whose speed in still water is 5 km/hr, takes 1 hour more to go 12 km upstream than to return downstream to the same spot. Find the speed of stream.

Q.1 निम्नलिखित प्रश्नो के उत्तर लिखिये |

(1)   पितर प्रति लिखितम् अध: पतं म्ञ्जुषाप्रदत्र शब्दै: पूरयित्वा पुन: लिखत |

(2)   भवान निखिल: | भवता स्वपित्ता सहू 'स्वमि विवेकानन्द:' इति चलचित्रं दृष्टम | तद्विषये स्वमित्तम् अखिल प्रति लिखित पत्रं म्ञ्जुषास्थपदै: पुरयित्वा उत्तरपुस्तिकाचां लिखतु |

Class: X   Subject: Science   Topic: Chemical Reactions and equations

Q.1) Write the balanced chemical equations for the following reactions and identify the type of reaction and identify the type of reaction in each case.

1) Nitrogen gas is treated with hydrogen gas in the presence of a catalyst at 773 K to form ammonia gas.

2) Sodium hydroxide solution is treated with acetic acid to form sodium acetate and water.

3) Ethanol is warmed with ethanoic acid to form ethyl acetate in presence of conc. H_2SO_4

4) Ethene is burnt in presence of oxygen to form carbon dioxide, water and releases heat and light.

5) Thermite reaction, iron(III) oxide reacts with aluminium and gives molten iron and aluminium oxide.

6) Magnesium ribbon is burnt in an atmosphere of nitrogen gas to form solid magnesium nitride.

7) Chlorine gas is passed in an aqueous potassium iodide solution to form potassium chloride solution and solid iodine.

8) Ethanol is burnt in air to form carbon dioxide, water and releases heat.

Q.2) Which among the following changes are exothermic and endothermic in nature:

a) Decomposition of ferrous sulphate   b) Dilution of sulphuric acid

 c) Dissolution of sodium hydroxide in water   d) Dissolution of ammonium chloride in water

Q.3) Complete the missing components/variables given as x and y in the following reaction:

a) $Pb(NO_3)_2$ (aq) + 2KI (aq) $\longrightarrow$ PbI_2 (x) + $2KNO_3$ (y)

b) Cu(s) + $2AgNO_3$ (aq) $\longrightarrow$ $Cu(NO_3)_2$ (aq) + x

c) Zn(s) + H_2SO_4 (aq) $\longrightarrow$ $ZnSO_4$ (x) + H_2 (y)

d) $CaCO_3$ (S) $\xrightarrow{\quad x \quad}$ CaO (s) + CO (g)

Q.4) Identify the reducing agent in the following reactions:

a) $4NH_3 + 5O_2 \longrightarrow 4NO + 6H_2O$

b) $H_2O + F_2 \longrightarrow HF + HOF$

c) $Fe_2O_3 + 3CO \longrightarrow 2Fe + 3CO_2$

d) $2H_2 + O_2 \longrightarrow 2H_2O$

Q.5) Identify the oxidizing agent (oxidants) in the following reactions:

a) $Pb_3O_4 + 8HCl \longrightarrow 3PbCl_2 + Cl_2 + 4H_2O$

b) $2Mg + O_2 \longrightarrow 2MgO$

c) $CuSO_4 + Zn \longrightarrow Cu + ZnSO_4$

d) $V_2O_5 + 5Ca \longrightarrow 2V + 5CaO$

e) $3Fe + 4H_2O \longrightarrow Fe_3O_4 + 4H_2$

f) $CuO + H_2 \longrightarrow Cu + H_2O$

Q.6) Balance and identify the types of chemical reactions:

a) Mg (s) + Cl_2(g) $\longrightarrow$ $MgCl_2$ (s)

b) HgO (s) $\xrightarrow{\text{heat}}$ Hg(l) + O_2 (g)

c)   Na (s) + S (s) $\xrightarrow{\text{fuse}}$ Na_2S (s)

d) $TiCl_4$ (l) + Mg (s) $\longrightarrow$ Ti (s) + $MgCl_2$ (s)

e) CaO (s) + SiO_2 (s) $\longrightarrow$ $CaSiO_3$ (s)

f) H_2O_2 (l) $\xrightarrow{\text{U.V.}}$ H_2O (l) + O_2 (g)

Q.1.Why do we use averages? Are there any limitation to their use? Illustrate with your own examples related to development.

Q.2.What is per capita income? Mention any two limitation of per capita income as an indicator of development.

Q.3. Kerala, with lower per capita income, has a better human development ranking than Punjab .Hence, per capita income is not a useful criterion at all and should not be used to compare states. Do you agree?

Q.4. On the basis of which three indicators of HDI 2004 Sri Lanka has better rank than India?

Q.5.' Confliction goals can also be development goals'. Elaborate with example.

Q.6.What are command developmental goals? Give any two suitable examples of common developmental goals.

Q.7."Money cannot buy all the goods and services that one needs to live well" Do you agree with this statement? Justify your answer with any three suitable arguments.

Q.8. Apart from income, which other six things people look for as important aspect of our lives?

Q.9.One what basis the rich and low income countries have been categorized in the world? What are the limitation of this approach? According to the word development Report, 2006, India comes in which category? Give reason for the same.

Q.10. Why do people look at a mix of goals for development? Explain.

Q.11.Why do different person have different notions of development? Which of the following explanatations is more important and why?

(a) Because people are different.

(b) Because life situations of persons are different.

Q. 12. What does HDI stand for? Explain the main criteria of measuring HDI according to UNDP report of `1990.

Q.13. Explain any five fields other than income where development is needed.