

SREE SHARADA VIDYA PEETA
FORMATIVE ASSESSMENT-01

sub-Science
total max - 80M

class - 10th

time - 1 hour

12:30
11:30
I

PART-A - physics

Choose correct ~~or~~ alternative and write the complete answer along with its letter. 2X1=2

1) A device used to change the resistance in the electric circuit is _____

- (a) voltmeter
- (b) Ammeter
- (c) Galvanometer
- (d) Rheostat

2) Ohm's law gives the relationship between _____

- (a) potential difference & electric charge
- (b) ———— & resistance
- (c) electric current and potential difference
- (d) ———— & electric power

3) Answer the following. 3X1=3

- (i) calculate the Number of electrons constituting -9 in one coulomb of charge
- (ii) Differentiate between Ammeter & voltmeter
- (iii) State ohm's law

4) Answer any one of the following 2X2=2

- (i) The resistors R_1 , R_2 & R_3 have the values 10Ω , 20Ω & 60Ω respectively which have been connected in parallel to a battery of 24V in an electric circuit then calculate
 - (a) the total current in the circuit
 - (ii) total resistance of the circuit.

Sub: Science

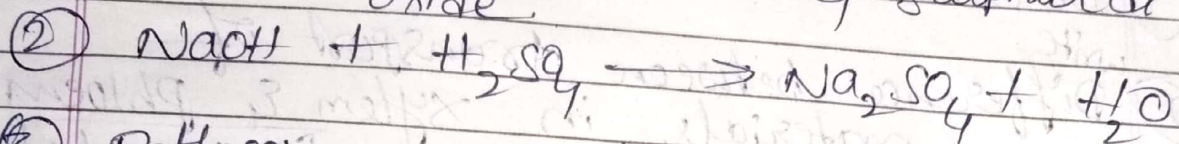
Class: 10

FA-1

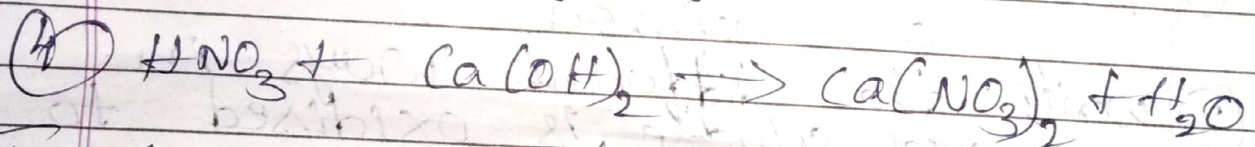
part-B - Chemistry

I Balance the following equation.

(1) Hydrogen Sulphide gas burns in ^{1x1=1} air to give water & sulphur dioxide.



(3) Potassium metal reacts with water to give Potassium hydroxide & hydrogen gas.



II Answer the following. ^{2x1=2}

(1) Explain the term 1) Corrosion

2) Rancidity

(2) What do you mean by precipitation reaction? Give example.

III Draw a neat labelled diagram of electrolysis of water.

^{1x2=2}

STUDENT'S NAME	
CLASS	SUBJECT
ROLL NO.	DATE

class - 8th

Sub-Science

part-c Biology,

Fill in the blanks

$$2 \times \frac{1}{2} = 1$$

- I
- ① xylem in plants responsible for
 - ② The kidneys in human beings are a part of system for

Answer the following:

$$2 \times 1 = 2$$

- II
- ① Describe Double circulation of human beings
 - ② ^{write} Difference between transport of materials in xylem & phloem.

III Answer the following:

$$2 \times 2 = 4$$

- ① Draw a neat labelled diagram of nephron
- ② write the different ways in which glucose is oxidised to provide energy in various organism