

COMMON SECOND MID-TERM TEST - 2022

Standard IX

Reg.No.

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SCIENCE

Marks : 75

Time : 3.00 hrs

Part - I

12 x 1 = 12

I. Choose the correct answer:

- Rubbing of comb with hair
a) creates electric charge
b) transfers electric charge
c) neither (a) or (b)
d) neither (a) nor (b)
- Electroplating is an example for
a) heating effect
b) chemical effect
c) flowing effect
d) magnetic effect
- Transformer works on
a) AC only
b) DC only
c) both AC and DC
- The unit of magnetic flux density is
a) Weber
b) Weber / metre
c) Weber / metre²
d) Weber.metre²
- Number of valence electron in carbon is
a) 2
b) 4
c) 3
d) 5
- Elements with stable electronic configuration have eight electrons in their valence shell. They are _____
a) halogens
b) metals
c) noble gases
d) non metals
- Apple contains malic acid. Orange contains _____
a) citric acid
b) ascorbic acid
- The hydrated salt of copper sulphate has _____ colour.
a) red
b) white
c) blue
- Acid turn blue litmus paper to _____.
a) green
b) red
c) orange
- Stomach of human being mainly digest _____.
a) carbohydrates
b) proteins
c) fat
d) sucrose
- To prevent the entry of food into the trachea, the opening is guarded by _____.
a) epiglottis
b) glottis
c) hard palate
d) soft palate
- The structural and functional unit of the kidney is _____.
a) villi
b) liver
c) nephron
d) ureter

slip ring Brushes

Lad

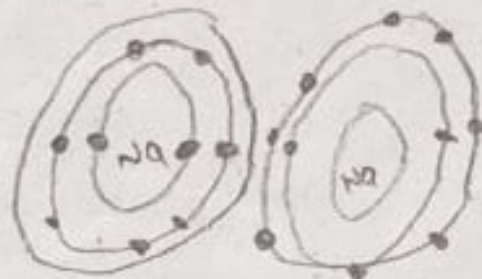
case

Part - II

7 x 2 = 14

II. Answer any 7 questions. (Q.No.22 is compulsory)

- Define electric current and give its unit.
- State Fleming's left hand rule.
- List the main parts of an electric motor.
- Explain octet rule with an example.
- What are the different types on bonds?
- What are the uses of plaster of paris?
- Define Aquaregia.
- Why do we sweat?



Loss of electron

Formation of sodium ion $Na \rightarrow Na^+ + e^-$

CO - OR

25 CX 50 = 1275

(2)

IX Science

- Mention any two vital functions of human kidney.
- 1F, 25C of charge is determined to pass through a wire of any cross section in 50 s. What is the measure of current?

Part - III

III. Answer any 7 questions. (Q.No.32 is compulsory)

7 × 4 = 28

- What are electric lines of force?
 - define electric field.
- List the safety features while handling electricity.
- State Faraday's laws of electromagnetic induction.
- Draw a neat diagram of an AC generator.
- List down the differences between ionic and covalent compounds.
- Write any four uses of bases.
- Write any five uses of salts.
- Differentiate the following :
 - Excretion and secretion
 - Incisors and canines.
- Explain the structure of nephron.
- Find the oxidation number of the elements in the following components.
 - C in CO_2
 - Mn in $MnSO_4$
 - N in HNO_3

CO - OR

Part - IV

IV. Answer all the questions.

3 × 7 = 21

(Draw diagrams wherever necessary)

- Electrons move from _____ potential to _____ potential.
 - Match the following:

1. Electric charge	a) Ohm
2. Potential difference	b) Ampere
3. Electric field	c) Coulomb
4. Resistance	d) Newton per Coulomb
	e) Volt
 - Name any two appliances which work under the principle of heating effect of current.
 - Current can produce magnetic field (True or False) (OR)
Explain two types of transformer.
- What is neutralization reaction?
 - Differentiate hydrate and anhydrous salts with example. (OR)
Discuss in brief about the properties of coordinate covalent compounds.
- Differentiate absorption and assimilation.
 - Match:

i) Skin	-	Urine
ii) Lungs	-	Sweat
iii) Intestine	-	Carbon dioxide
iv) Kidneys	-	Undigested food
 - Draw and label the longitudinal section of human kidney. (OR)

Describe the alimentary canal of man

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