

SECOND MID TERM TEST, NOVEMBER - 2019 STANDARD - IX

Time : 1.15 hrs

SCIENCE

Marks: 50

I. Choose the correct answer:-

8×1=8

- 1) How many electrons will be there in one coulomb of charge?
a) 6.24×10^{18} b) 6.25×10^{-18} c) 6.24×10^{-18} d) 6.25×10^{18}
- 2) The unit of magnetic flux density
a) Tesla b) Weber c) Volt d) Weber/m²
- 3) In which one is stands the middle finger indicates Fleming's Right Hand Rules.
a) magnetic field B b) Motion or force F
c) Induced current I d) Motion
- 4) Covalent bond is formed by _____
a) transfer of electrons b) sharing of electrons
c) sharing a pair of electrons d) None of the above
- 5) Metals combine with non-metals through _____
a) covalent bond b) Ionic bond
c) coordinate covalent bond d) All of these
- 6) Food and adulteration act was enforced by Government of India in the year _____
a) 1964 b) 1954 c) 1950 d) 1963
- 7) Which vitamin deficiency is caused by scurvy?
a) Vitamin A b) Vitamin C c) Vitamin D d) Vitamin K
- 8) Select the organism which has the following dental formula 2, 0, 2, 3/2, 0, 2, 3
a) Human beings b) Omnivores c) Herbivore d) Carnivore

6×2=12

II. Answer any 6 of the following:-

- 9) What are electric lines of force?
- 10) State Fleming's Left Hand Rule?
- 11) Why are noble gases inert in nature?
- 12) Find the oxidation number of 'S' in H₂SO₄
- 13) Differentiate a) Kwashiorkar from Marasmus
- 14) Name any two naturally occurring toxic substances in food?

N

15) Match:

2

IX- Science

- | | | |
|--------------------------|---|-----------|
| 1. Production of heparin | - | digestion |
| 2. Glucogon | - | Stomach |
| 3. Hydrochloric acid | - | Liver |
| 4. Small intestine | - | Pancreas |

16) Mention the steps of Urine formation in human beings.

III. Answer any 4 of the following:-

4×4=16

17) What are the precautionary steps to be taken while using electricity?

18) List out any 4 of the properties of magnetic lines of force?

19) Discuss in brief about the properties of Co-ordinate covalent.

20) Give example for

- a compound in which one ionic bond is formed
- a compound in which two covalent bonds are formed
- a compound in which three covalent bonds are formed
- a compound in which coordinate bond is formed

21) Answer the following:-

- Which secretes succus entericus?
- Where does homogenisation takes place?
- What are the chemicals in Sweat?
- Which mineral is found mostly in Banana?

22) Fill in the blanks with suitable answers:-

Vitamins	Dietary source	Deficiency disease
Calciferol	_____	Rickets
_____	Papaya	Night blindness
Ascorbic acid	_____	Scurvy
_____	Whole grains	Beri beri

2×7=14

IV. Answer any 2 of the following:-

23) Explain two types of transformer.

24) List the difference between the Ionic and Covalend compound.

25) Explain the role of food control agencies in India?

26) Explain Human digestive system with a neat diagram.

[or]

[or]