

B COMMON HALF YEARLY EXAMINATION - 2023 Standard - IX

Time : 3.00 hrs

SCIENCE

Marks: 75

Part - I

I. Choose the correct answer:-

12×1=12

- 1) 1 metric ton is equal to ____
a) 100 quintals b) 10 quintals c) 1/10 quintals d) 1/100 quintals
- 2) Clouds float in atmosphere because of their low ____
a) density b) pressure c) velocity d) mass
- 3) The unit of magnetic flux density is ____
a) Weber b) Weber/metre c) Weber/metre² d) Weber.metre²
- 4) ____ is used as reflectors in torch light.
a) concave mirror b) plane mirror c) convex mirror d) Spherical mirror
- 5) Among the following ____ is a mixture.
a) Common salt b) Juice c) Carbon dioxide d) Pure silver
- 6) The correct electronic configuration of potassium is
a) 2, 8, 9 b) 2, 8, 1 c) 2, 8, 8, 1 d) 2, 8, 8, 3
- 7) Number of valence electrons in carbon is ____
a) 2 b) 4 c) 3 d) 5
- 8) Excretory organ of tapeworm is ____
a) flame cells b) nephridia c) body surface d) solenocytes
- 9) Which of the following is a complex tissue?
a) Parenchyma b) Sclerenchyma c) Collenchyma d) None of the above
- 10) The structural and functional unit of the kidney is ____
a) Villi b) liver c) nephron d) Ureter
- 11) An internal factor responsible for spoilage of food is ____
a) Wax coating b) Contaminated utensils
c) moisture content in food d) Synthetic preservatives
- 12) The slides are grouped together in a sequence to form ____
a) slide show b) sharts c) page d) messages

Part - II

II. Answer any 7 questions:- Note: (Question number 22 is compulsory) 7×2=14

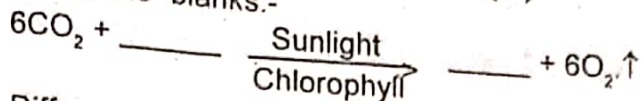
- 13) Define measurement.
- 14) Compare Speed and Velocity.
- 15) State modern periodic law.
- 16) Write any two uses of acids.
- 17) Match the following

Phylum	Examples
a) Coelenterata	i) Snail
b) Platyhelminthes	ii) Starfish
c) Echinodermata	iii) Tapeworm
d) Mollusca	iv) Hydra

IX SCIENCE

(2)

18) Fill in the blanks:-



19) Differentiate: Excretion and Secretion.

20) Give reasons for the following statements.

a) Salt is added as a preservative in pickles _____

b) Deficiency of calcium in diet leads to poor skeletal growth _____

21) State whether true (or) false. If false, correct the statement

i) Non-infections diseases remain confined to the person who develops the disease and do not spread to others.

ii) Hepatitis - B is more dangerous than Hépatitis

22) If 25c of charge is determined to pass through a wire of any cross section in 50s, What is the measure of current?

Part - III

III. Answer any seven questions:-

Note:- (Question number 32 compulsory)

7×4=28

23) Explain different types of motion.

24) List the safety features while handling electricity.

25) What is meant by magnification? Write its expression what is its sign for real image and virtual image?

26) Write the difference between elements and compounds and give an example for each.

27) List down the differences between Ionic and Covalent compounds.

28) List down characteristic features of fishes.

29) Write about the elements of Xylem.

30) How will you differentiate the different types of transpiration?

31) i) What is an adulterant?

ii) Give abbreviations for the following:- a) ISI b) FPO

32) Calculate the number of neutrons, protons and electrons: (i) atomic number 3 and mass number 7 (ii) atomic number 92 and mass number 238.

Part - IV

IV. Answer the following questions:-

3×7=21

33) How will you find the thickness of a one rupee coin? [or]

Explain the construction and working of a hydrometer with diagram.

34) Explain the postulates of Bohr's atomic model [or]

i) Write any four uses of bases? (4)

ii) Write any three uses of Salts? (3)

35) Give an account of Phylum, Arthropoda. [or]

i) Mention any four vital functions of human kidney. (4)

ii) Draw and Label the Nephron.

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