

V8S

Virudhunagar District
Common First Mid Term Test - 2024

Standard 8
SCIENCE

Time: 1.30 Hrs.

Marks: 50

I. Choose the most appropriate answer:**10×1=10**

- 1) SI unit of temperature is _____.
a) Celsius b) Fahrenheit c) Kelvin d) Ampere
- 2) Closeness of two or more measured values is called as _____.
a) Accuracy b) Precision c) Error d) Approximation
- 3) Pressure exerted by a liquid is increased by _____.
a) The density of the liquid b) The height of the liquid column
c) Both A and B d) None of the above
- 4) Pencil lead contains _____.
a) Graphite b) Diamond c) Aluminium d) Sulphur
- 5) Limestone contains _____ mainly.
a) Calcium Carbonate b) Calcium Chloride
c) Calcium Nitrate d) Calcium Sulphate
- 6) In Haber's process of producing ammonia, _____ is used as catalyst.
a) Nitrogen b) Hydrogen c) Iron d) Nickel
- 7) The liquid metal used in thermometer is _____.
a) Cu b) Hg c) Ag d) Au
- 8) _____ is a prokaryotic, single celled organism.
a) Virus b) Algae c) Fungi d) Bacteria
- 9) Common cold in human is caused by _____.
a) Plasmodium b) Influenza c) Vibrio cholera d) Aphthovirus
- 10) One of the following is an edible mushroom.
a) Polyporus b) Agaricus c) Pennicillium d) Aspergillus

II. Fill in the blanks:**5×1=5**

- 11) One mole of a substance contains _____ atoms or molecules.
- 12) The property of _____ of a liquid surface enables the water droplets to move upward in plants.
- 13) _____ is used as semiconductor.
- 14) _____ is the basic material to manufacture urea.
- 15) Disease causing microorganisms are called _____.

III. Match it:**4×1=4**

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|--------------|---|-------------------------------|
| 16) Tungsten | - | Atoms of same kind |
| 17) Element | - | Vulcanization of rubber |
| 18) Sulphur | - | Atoms of different kind |
| 19) Compound | - | Making the filament of a bulb |

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5×1=5

IV. State True or False. If false, correct the statement:

- 20) The number 4.582 can be rounded off as 4.58.
- 21) A body will sink if the weight of the body is greater than the buoyant force.
- 22) All gases are non-metals.
- 23) Binomial name should contain more than two words.
- 24) Citrus canker is transmitted by insects.

V. Answer any 8 questions shortly:

8×2=16

- 25) Define - Mole.
- 26) Name the three scales of temperature.
- 27) **Complete the analogy:**
 - A) Amount of substance : Mole :: Electric current : _____.
 - B) Downward force : Weight :: Upward force offered by liquid : _____.
- 28) State Pascal's Law and mention it's applications.
- 29) Give two examples of metalloid.
- 30) Name the elements with the following symbols.
(A) Na (B) W (C) Hg (D) Al
- 31) What is the role of a catalyst in a chemical reaction?
- 32) Seeds of gymnosperm plants are naked. Why?
- 33) **Match it:**

A) Rusting	-	Photosynthesis
B) Thermolysis	-	Haber's process
C) Food	-	Iron
D) Catalysis	-	Decomposition of limestone
- 34) **Answer the following:**
 - A) Who discovers penicillin?
 - B) Which diseases can be prevented by vaccination?
- 35) What are antibiotics?
- 36) Write the four types of bacteria based on their shape.

VI. Answer any 2 questions briefly:

2×5=10

- 37) Describe the experiment to prove that the pressure in a liquid increases with depth.
 - 38) Write any 5 difference between monocot and dicot plants.
 - 39) Tabulate the difference between metals and non-metals.
 - 40) Write a short note on common human diseases caused by microorganism.
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