

V8S

Virudhunagar District
First Mid Term Test - 2023**Standard 8**
SCIENCE

Marks: 50

10×1=10

Time: 1.30 Hours

I. Choose the most appropriate answer:

- 1) SI unit of temperature
a) Celsius b) Fahrenheit c) Kelvin d) ampere
- 2) Electric current is a quantity.
a) base b) supplementary c) derived d) professional
- 3) Unit of pressure is
a) Pascal b) Nm^{-2}
c) Poise d) Both (a) and (b)
- 4) Which of the following liquids has more viscosity?
a) Grease b) Water c) Coconut oil d) Ghee
- 5) Symbol of mercury is
a) Ag b) Hg c) Au d) Pb
- 6) The non-metal which conducts electric current is
a) Carbon b) Oxygen c) Aluminium d) Sulphur
- 7) undergoes rusting.
a) Tin b) Sodium c) Copper d) Iron
- 8) The pigment responsible for browning of apples is
a) hydrated iron (II) oxide b) melanin
c) Starch d) Ozone
- 9) Common cold in human is caused by
a) Plasmodium b) influenza
c) vibrio cholera d) aphthovirus
- 10) is a prokaryotic microorganisms.
a) Virus b) Algae c) Fungi d) Bacteria

5×1=5**II. Fill in the blanks:**

- 11) is used to measure electric current.
- 12) The pressure of a liquid column with the depth of the column.
- 13) The symbol of tungsten is
- 14) is a chemical substance which alters the speed of a chemical reaction.
- 15) The infecting virus particle found outside the host cell is'

4×1=4**III. Match it:**

- | | | |
|--------------|---|----------------------------------|
| 16) Iron | - | For making wires |
| 17) Copper | - | Sewing needle |
| 18) Tungsten | - | As a fuel for ignition in rocket |
| 19) Boron | - | Making the filament of a bulb |

Kindly send me your study materials to padasalai.net@gmail.com

V8S

2

IV. State true or false. If false, correct the statement:

5×1=5

- 20) Quartz clocks are used in GPS devices.
- 21) Friction is the only reason for the loss of energy.
- 22) CFC is a pollutant.
- 23) Female anopheles mosquito is a carrier of dengue virus.
- 24) Chicken pox is a communicable disease.

V. Answer any 8 questions shortly:

8×2=16

- 25) Define - Mole.
- 26) Name the three scales of temperature.
- 27) Why is a ball bearing used in the cycle hub?
- 28) State Pascal's law and mention its applications.
- 29) **Name the elements with the following symbols**
a) Na b) Ba c) Al d) U
- 30) What are metalloids? Give examples.
- 31) Why are bells made of metals?
- 32) What is pollution?
- 33) What happens to the brine during electrolysis?
- 34) **Match it:**
Spoilage - Decomposition
Tarnishing - Biocatalyst
Yeast - Chemical reaction
Calcium Oxide - Food
- 35) a) Who discovered penicillin?
b) Which diseases can be prevented by vaccination?
- 36) What are pathogens?

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) Explain how food items are spoiled by chemical reactions?
- 39) Tabulate the differences between metals and non-metals.
- 40) Write a short note on common human diseases caused by microorganisms.
