

Ts-8S

**Tenkasi District Common Examinations**  
**Common First Mid Term Test - 2022**



**Standard 8**

**SCIENCE**

Time: 1.30 Hrs.

Marks: 50

**I. Choose the best answer:**

**10×1=10**

- 1) Electric current is a \_\_\_\_\_ quantity.
  - a) base
  - b) supplementary
  - c) derived
  - d) professional
- 2) SI unit of temperature is \_\_\_\_\_.
  - a) celsius
  - b) fahrenheit
  - c) kelvin
  - d) ampere
- 3) The value of atmospheric pressure at sea level is
  - a) 76 cm of mercury column
  - b) 760 cm of mercury column
  - c) 176 cm of mercury column
  - d) 7.6 cm of mercury column
- 4) Which of the following liquids has more viscosity?
  - a) Grease
  - b) Water
  - c) Coconut oil
  - d) Ghee
- 5) The liquid metal used in thermometer is
  - a) Copper
  - b) Mercury
  - c) Silver
  - d) Gold
- 6) Brine is a concentrated solution of \_\_\_\_\_.
  - a) sodium sulphate
  - b) sodium chloride
  - c) calcium chloride
  - d) sodium bromide
- 7) Microorganisms are measured in \_\_\_\_\_.
  - a) cm
  - b) mm
  - c) micron
  - d) meter
- 8) \_\_\_\_\_ is a prokaryotic microorganisms.
  - a) Virus
  - b) Algae
  - c) Fungi
  - d) Bacteria
- 9) One of the following is an edible mushroom
  - a) Polyporus
  - b) Agaricus
  - c) Pennicillium
  - d) Aspergillus
- 10) Penicillin is an antibiotic which is extracted from
  - a) algae
  - b) fungi
  - c) bryophytes
  - d) pteridophytes

**II. Answer any 10 questions:**

**10×2=20**

**[Question No. 24 is compulsory]**

- 11) What is electric current?
- 12) Define - Mole.
- 13) What is measurement?
- 14) Which has greater viscosity oil or honey, why?
- 15) Mention any three ways of minimizing friction.
- 16) Tabulate the differences between metals and non-metals.
- 17) Name the elements with the following symbols.
  - (a) Na
  - (b) Ba
  - (c) W
  - (d) Al
- 18) What happens when an iron nail is placed in copper sulphate solution?
- 19) What is the role of a catalyst in a chemical reaction?
- 20) Write the four types of bacteria based on their shape.

Ts-8S

2

- 21) What are pathogens?  
 22) Why microorganisms are essential for agriculture?  
 23) Write any two economic importance of fungi.  
 24) Write the differences between algae and fungi.

**III. Answer in detail:**

4x5=20

- 25) List out the base quantities with their units.

**(OR)**

Describe an experiment to prove that the pressure in a liquid increases with depth.

- 26) a) Can you store pickle in an aluminium utensil? Give reason.  
 b) Mention the uses of the following compounds:  
 (i) Baking soda                      (ii) Bleaching powder                      (iii) Quick lime

**(OR)**

Explain how food materials are spoiled by chemical reactions.

- 27) Write a short note on bacteria and its structure.

**(OR)**

Write a short note on probiotics.

- 28) Write any five differences between gymnosperm and angiosperm.

**(OR)**

Write the names of medicinal plants and explain their uses.

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