

TsiBS

Tenkasi District  
Common First Mid Term Test 2024



**Standard 8**  
**SCIENCE**

Time: 1.30 Hrs.

Marks: 50

**10×1=10****I. Choose the best answer:**

- 1) Luminous intensity is the intensity of \_\_\_\_\_.  
a) Laser light      b) UV light      c) Visible light      d) IR light
- 2) 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
- 3) Which of the following liquids has more viscosity?  
a) Grease      b) Water      c) Coconut oil      d) Ghee
- 4) A form of non-metal which has high ductility is  
a) nitrogen      b) oxygen      c) chlorine      d) carbon
- 5) Burning of paper is a \_\_\_\_\_ change.  
a) physical      b) chemical  
c) physical and chemical      d) neutral
- 6) \_\_\_\_\_ undergoes rusting.  
a) Tin      b) Sodium      c) Copper      d) Iron
- 7) \_\_\_\_\_ shows both living and non-living characteristics.  
a) Protozoa      b) Virus      c) Bacteria      d) Fungi
- 8) Common cold in human is caused by \_\_\_\_\_.  
a) plasmodium      b) influenza  
c) vibrio cholera      d) aphthovirus
- 9) An example for colonial form of algae is  
a) Oscillatoria      b) Nostoc      c) Valvox      d) Chlorella
- 10) Penicillin is an antibiotic which is extracted from  
a) algae      b) fungi      c) bryophytes      d) pteridophytes

**II. Answer any 5 of the following questions:****5×2=10**

- 11) What is measurement?  
What is electric current?
- 12) Define - ampere.
- 13) Which has greater viscosity oil or honey? Why?
- 14) Write three properties of metalloids.
- 15) Name the elements with the following symbols.  
(a) Na      (b) W      (c) Ba      (d) Al
- 16) Why microorganisms are essential for agriculture?
- 17) What is meant by binomial nomenclature? Give example.

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**III. Answer any 4 questions:****4×4=16**18) **Match the following:**

- |                                        |                         |
|----------------------------------------|-------------------------|
| i) Static friction                     | - Viscosity             |
| ii) Kinetic friction                   | - Least friction        |
| iii) Rolling friction                  | - Objects are in motion |
| iv) Friction between the liquid layers | - Objects are sliding   |
| v) Sliding friction                    | - Objects are at rest   |

19) Tabulate the differences between metals and non-metals.

20) Mention the various conditions required for a chemical reaction to occur.

21) a) **Fill in the blanks:**

i) Micro organism can be seen with the help of a \_\_\_\_\_.

ii) \_\_\_\_\_ are the infectious protein particles.

b) Who discovered penicillin?

22) Write any four characters of pteridophytes.

**IV. Answer in detail: [Answer all the questions]****2×7=14**

23) a) List out the base quantities with their units.

**(OR)**

b) Explain the environmental effects of chemical reaction.

24) a) Write a short note on bacteria and its structure.

**(OR)**

b) Write the names of medicinal plants and explain their uses.

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