

Tsi8S

Tenkasi District
Common Quarterly Examination - September 2023







25-09-2023

Standard 8**SCIENCE**

Marks: 100

Time: 2.30 Hrs.

12×1=12**I. Choose the best answer:**

- 1) Electric current is a _____ quantity.
 - a) base
 - b) supplementary
 - c) derived
 - d) professional
- 2) Luminous intensity is the intensity of _____.
 - a) Laser light
 - b) UV light
 - c) Visible light
 - d) IR light
- 3) Which of the following liquids has more viscosity?
 - a) Grease
 - b) Water
 - c) Coconut oil
 - d) Ghee
- 4) The distance from the pole to the focus is called
 - a) pole length
 - b) focal length
 - c) principal axis
 - d) none of the above
- 5) Conduction is the way of heat transfer which takes place in a _____.
 - a) solid
 - b) liquid
 - c) gas
 - d) all of them
- 6) The pictorial symbol for water given by the alchemist was
 - a) 
 - b) 
 - c) 
 - d) 
- 7) Burning of a paper is a _____ change.
 - a) physical
 - b) chemical
 - c) physical and chemical
 - d) neutral
- 8) Aerated water contains
 - a) air
 - b) oxygen
 - c) carbondioxide
 - d) nitrogen
- 9) Common cold in human is caused by _____.
 - a) Plasmodium
 - b) Influenza
 - c) Vibrio cholera
 - d) Aphovirus
- 10) _____ is a prokaryotic microorganisms.
 - a) Virus
 - b) Algae
 - c) Fungi
 - d) Bacteria
- 11) The first land plants are
 - a) bryophytes
 - b) pteridophytes
 - c) gymnosperm
 - d) angiosperm
- 12) _____ is tough and thick white sheath that protects the inner parts of the eye.
 - a) Sclera
 - b) Conjunctiva
 - c) Cornea
 - d) Iris

II. Fill in the blanks:**5×1=5**

- 13) Hydraulic lift works under the principle of _____.
- 14) If the angle of incidence is 45° , then the angle of reflection is _____.
- 15) Water contains _____ and _____ element.
- 16) Microorganism can be seen with the help of a _____.
- 17) The bak "Genera Plantarum" was published by _____ and _____.

III. State True or False. If false correct the statement:**5×1=5**

- 18) Friction is the only reason for the loss of energy.
- 19) In a thermos flask, the silvered walls reflect and radiate heat outside.
- 20) CFC is a pollutant.
- 21) Female anopheles mosquito is a carrier of dengue virus.
- 22) Human beings are warm blooded in nature.

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

Tsi8S

2

IV. Match the following:

5×1=5

- | | | |
|------------------|---|-------------------|
| 23) a) Spoilage | - | Decomposition |
| b) Ozone | - | Biocatalyst |
| c) Tarnishing | - | Oxygen |
| d) Yeast | - | Chemical reaction |
| e) Calcium oxide | - | Food |

V. Answer any 10 of the following: (Q.No. 27 is compulsory)

10×2=20

- 24) How do you feel when you touch a nail immediately after it is hammered into a wooden plank? Why?
- 25) Why is a ball bearing used in a cycle hub?
- 26) Define the refractive index of a medium.
- 27) Name three types of heat transfer.
- 28) What is ductility?
- 29) What is pollution?
- 30) List out the uses of nitrogen.
- 31) What is global warming?
- 32) Write the four types of bacteria, based on their shape.
- 33) What are antibiotics?
- 34) Write the differences between algae and fungi.
- 35) Write any two characters of dicotyledons.

SIVAKUMAR.M,
Sri Ram Matric HSS
Vallam - 622809
Tenkasi Dist.

VI. Answer any EIGHT of the following:

8×4=32

- 36) a) What is measurement?
b) Name the three scales of temperature.
- 37) Give the different types of friction and explain each with an example.
- 38) Give any two applications of a concave and convex mirror.
- 39) An iron ball requires 1000J of heat to raise its temperature by 20°C. Calculate the heat capacity of the ball.
- 40) Mention any four compounds and their uses.
- 41) a) Define a chemical reaction.
b) What happens when an iron nail is placed in copper sulphate solution?
- 42) What are the effects of acid rain? How can we prevent them?
- 43) Write a short note on probiotics.
- 44) Write any four characters of pteridophytes.
- 45) Tabulate the differences between aerobic and anaerobic respiration.

3×7=21

VII. Answer in detail:

- 46) a) List out the base quantities with their units.
(OR)
b) Explain the working of thermos flask.
- 47) a) i) Tabulate the differences between metals and non-metals.
ii) Define - Alchemy. (OR)
b) Explain the environmental effects of chemical reactions.
- 48) a) Write a short note on bacteria and its structure.
(OR)
b) Differentiate between Inhalation and Exhalation.
-