

Tsi7S

Tenkasi District
Summative Assessment - September 2023



25-09-2023

Standard 7**SCIENCE**

Time: 2.00 Hrs.

Marks: 60

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

- 1) SI unit of density is
 - a) Kg/m^2
 - b) Kg/m^3
 - c) Kg/m
 - d) g/m^3
- 2) Density of Mercury
 - a) 2700 kg/m^3
 - b) 13600 kg/m^3
 - c) 13800 kg/m^3
 - d) 1000 kg/m^3
- 3) A particle is moving in a circular path of radius r . The displacement after half a circle would be
 - a) zero
 - b) r
 - c) $2r$
 - d) $r/2$
- 4) Which one of the following is an example for a metal?
 - a) Iron
 - b) Oxygen
 - c) Helium
 - d) Water
- 5) The basic unit of matter is _____.
 - a) element
 - b) atom
 - c) molecule
 - d) electron
- 6) _____ is positively charged.
 - a) Proton
 - b) Electron
 - c) Molecule
 - d) Neutron
- 7) Pollinators are
 - a) Wind
 - b) Water
 - c) Insect
 - d) All the above
- 8) Climbing roots are seen in
 - a) betel
 - b) black pepper
 - c) both of them
 - d) none of them
- 9) Tobacco chewing causes
 - a) anemia
 - b) periodontitis
 - c) tuberculosis
 - d) pneumonia
- 10) Which software is used to create symbols?
 - a) Photoshop
 - b) Illustrator
 - c) Vector Graphics
 - d) Photostory

II. Answer any 15 questions:**15×2=30**

- 11) **Match the following:**
 1. Area - g/cm^3
 2. Length - measuring jar
 3. Density - amount of a substance
 4. Volume - rope
 5. Mass - plane figures
- 12) What is one light year?
- 13) **Analogy:**
 - i) Velocity : Metre / Second :: Acceleration : _____
 - ii) Tuberculosis : Air :: Cholera : _____
- 14) **True? or False?:**
 - i) Compounds and elements are pure substances.
 - ii) Argon is mono atomic gas.
- 15) Define molecule.
- 16) **Match the following:**
 1. Displacement - Knot
 2. Light travelling through vacuum - Geometric centre
 3. Speed of ship - Metre
 4. Centre of gravity of geometrical shaped objects - Larger base area
 5. Stability - Uniform velocity

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17) **Arrange the following in correct sequence:**

- i) 1L, 100CC, 10L, 10CC
- ii) Copper, Aluminium, Gold, Iron

18) Name the sub-atomic particles.

19) **Complete the analogy:**

- i) Sun : Nucleus :: Planets : _____
- ii) K : Potassium :: C : _____

20) What are the agents of pollination?

21) What is cross pollination?

22) **State True (or) False:**

- i) Ginger is an underground root.
- ii) Stomach ulcer is a non-communicable disease.

23) **Fill in the blanks:**

- i) I am green colour box with garbage. I am _____.
- ii) Tuberculosis is caused by the bacterium _____.

24) What is hygiene?

25) Why first aid is essential?

26) What is Raster Graphics?

27) **Assertion - Reason type questions:****Assertion** : An example for conical root is carrot.**Reason** : It is an adventitious root modification.

- a) Assertion is incorrect, Reasoning is correct.
- b) Assertion is incorrect, Reasoning is incorrect.
- c) Assertion is correct, Reasoning is correct.
- d) Assertion is correct, Reasoning is incorrect.

28) **Name the different modifications in each of them:**

	Name	Modifications
1.	Banyan tree	-
2.	Nepenthes	-
3.	Eichhornia	-
4.	Stolon	-

29) What is atomic number?

30) Name some of the derived quantities.

SIVAKUMAR. M,
Sri Ram Mathichess
Vallam. 622809
Tenkasi Dist.

III. Answer the following questions:**4×5=20**

31) How will you determine the density of a stone using a measuring jar?

(OR)

32) Write about the experiment to find the centre of gravity of irregularly shaped plate.

33) Differentiate metals and non metals.

(OR)

34) Draw the structure of an atom and explain the position of the sub atomic particles.

35) Explain the underground stems.

(OR)

36) Explain the characteristics of compounds.

37) Write about any three communicable diseases in detail.

(OR)

38) How the diseases are transmitted from one person to the other person?