

Test Jot Series

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Student Name:			Class:	9th
Paper Type:	Chapter#7		Subject:	Physics (SNC)
Paper Time:	1 Hour		Maximum Marks:	30

Q1. Choose the correct option.

(6X1=6)

1. What type of motion is of the molecules in a gas?

(A) Linear motion	(B) Random motion	(C) Vibratory motion	(D) Rotatory motion
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2. Which state of matter can be squeezed into smaller volume?

(A) Solid	(B) Liquid	(C) Gas	(D) Plasma
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3. What is the unit of temperature in the Celsius scale?

(A) Kelvin	(B) Celsius	(C) Fahrenheit	(D) Joule
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4. What is the temperature at which a substance changes its state from solid to liquid?

(A) Boiling point	(B) Melting point	(C) Freezing point	(D) Sublimation point
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5. Water is not used as a thermometric liquid mainly due to:

(A) colourless	(B) a bad conductor of heat	(C) non-linear expansion	(D) a low boiling point (100C°)
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6. How many scales temperature have?

(A) One	(B) Two	(C) Three	(D) Four
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Q2. Write down short answers of following questions.

(7X2=14)

[i] Write some important feature of kinetic particle theory of matter.	[ii] How "Plasma" the fourth state of matter is formed?
[iii] What is the main postulates of the kinetic theory of matter?	[iv] What makes the scale reading of a thermometer accurate?
[v] Describe Celsius scale in detail.	[vi] What is calibration of thermometer?
[vii] What is the function of the scale on a thermometer?	

Q3. Write detailed answers of the following questions.(Answer any 2)

(2X5=10)

1. Explain the kinetic molecular theory of matter.
2. Explain the rote of intermolecular forces in solid, liquid and gases.
3. The ice and steam points on an ungraduated thermometer are found to be 192 mm apart. What temperature will be on Celsius scale if the length of mercury thread is at 67.2mm above the ice point mark? (Numerical Problem)