

# institute test

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CLASS 9

SUBJECT: PHYSICS

CHAPTERS: All Chapters

TOTAL MARKS: 12

PASSING MARKS:

TOTAL TIME : 00:15

STUDENT'S NAME: \_\_\_\_\_

09-06-22

ID /ROLL NO: \_\_\_\_\_

## OBJECTIVE TYPE

### Q No.1 ENCIRCLE THE CORRECT ANSWER.

i - Least count of Screw Gauge is

- a) 1 mm                                      b) 0.01 mm                                      c) 0.001 mm                                      d) 1 cm

ii - Unit of heat is

- a) Joule                                      b) Joule per second                                      c) Kelvin                                      d) Meter per second

iii - On Celsius scale the temperature 300K will be:

- a) 26°C                                      b) 25°C                                      c) 24°C                                      d) 27°C

iv - The thermal conductivity of water is:

- a)  $0.59 \text{ Wm}^{-1}\text{K}^{-1}$                                       b)  $0.8 \text{ Wm}^{-1}\text{K}^{-1}$                                       c)  $0.6 \text{ Wm}^{-1}\text{K}^{-1}$                                       d)  $1.7 \text{ Wm}^{-1}\text{K}^{-1}$

v - The energy in the stretched bow is

- a) Elastic potential energy                                      b) Kinetic energy                                      c) Heat energy                                      d) Sound energy

vi - The major source Heat Energy is:

- a) Moon                                      b) Nuclear fules                                      c) Earth                                      d) Sun

vii - The types f equilibrium are:

- a) 3                                      b) 2                                      c) 1                                      d) 4

viii - Coefficient of friction between the tyre and wet road is

- a) 0.2                                      b) 0.6                                      c) 0.8                                      d) 1.0

ix - The motion of the pendulum of a clock is

- a) Translatory                                      b) Vibratory                                      c) Circular                                      d) Random

x - A string is stretched by two equal and opposite forces 10N each. The tension in the string is

- a) 10 N                                      b) 5 N                                      c) Zero                                      d) 20 N

xi - Mercury is denser than water:

- a) 10 times                                      b) 12.5 times                                      c) 13 times                                      d) 13.6 times

xii - The value of "g" at Moon's surface is  $1.6 \text{ ms}^{-2}$ . What will be the weight of a 100kg body on the surface of Moon:

- a) 10N                                      b) 16N                                      c) 100N                                      d) 160N

**GOOD LUCK**