



D.A.V. PUBLIC SCHOOL, CRRC, Medical Road, Gaya
Sunday Test (Date –08/12/2024)

Class – XI (Science)

Time : 40 Min

Sub. – Physics

F.M. - 20

Section - A ($2 \times 5 = 10$ Marks)

- 1. How heat is different from temperature ?**
- 2. State the principle of calorimetry and define Co-efficient of thermal conductivity.**
- 3. Define latent heat and temperature gradient.**
- 4. Why are rain drops spherical in shape ?**
- 5. What are the factors affecting the angle of contact ?**

Section - B ($5 \times 2 = 10$ Marks)

- 6. Obtain an expression for excess pressure inside a liquid drop and a soap bubble.**
- 7. State Newton's law of cooling. Obtain its mathematical formula. Also draw a graph for cooling of hot water with time.**
