

Type: MCQ

Q1. For a paramagnetic material which of the following statement is correct?

1. Permeability (P) is zero
2. Permeability (P) is negative
3. Permeability (P) is in between 0 and 1
4. Permeability (P) is greater than 1

Q2. What is the effect of rising temperature on magnetic properties of paramagnetic material?

1. Linear increase in magnetic properties
2. Exponential decrease in magnetic properties
3. Exponential increase in magnetic properties
4. Linear decrease in magnetic properties

Q3. What is Neel Temperature of chromium?

1. 303K
2. 95K
3. 273K
4. 298K

Q4. What is unit of molar heat capacity?

1. J/K
2. $\text{Jmol}^{-1}\text{K}^{-1}$
3. J/gm
4. J/Kg

Q5. What is Debye temperature of KCl?

1. 240K
2. 230K
3. 250K
4. 260K

Q6. In presence of sodium, NaCl shows following colour

1. Green
2. Blue

3. Yellow
4. Red

Q7. The plot of change in weight of balance vs. temp is called -

1. DTA curve
2. Thermogram
3. DSC curve
4. EGA

Q8. Full form of LDPE polymer is

1. Light diffraction polyethylene
2. Low diffraction polyethylene
3. Low density polyethylene
4. Light density polyethylene

Q9. Which one of the following is NOT component of EGA?

1. Readout device
2. Force controller
3. Detector
4. Thermocouple

Q10. Transmission electron microscopy can provide__

1. Information of back scattered electrons
2. Crystalline information
3. Surface composition information
4. X - rays