

Type: MCQ

Q1. Finger print region in IR region extends from _____.

1. 200cm^{-1} - 400cm^{-1}
2. 600cm^{-1} - 1400cm^{-1}
3. 1000 cm^{-1} - 2000 cm^{-1}
4. 1500 cm^{-1} - 2000 cm^{-1}

Q2. Which among the following is used as a detector in ultraviolet spectroscopy?

1. Thermocouple
2. Pyro electric devices
3. Photon multiplier tube
4. Bolometers

Q3. How many milligrams per milliliter of Na_2SO_4 is present in 0.5 M Na_2SO_4 solution?

1. 0.5
2. 0.05
3. 0.1
4. 0.01

Q4. How many grams of is required to prepare 5 ppm Na^+ in 100 ml solution?

1. 0.96
2. 0.096
3. 0.086
4. 0.86

Q5. Differential scanning calorimetry is a technique to measure _____.

1. electrical conductivity
2. specific heat
3. thermal expansion
4. magnetic field

Q6. In differential thermal analysis the sample temperature was recorded on _____.

1. Heating
2. Liquefying
3. cooling
4. Freezing

Q7. The effect in which increase in intensity of absorption and which is usually brought by an auxochrome is called as _____.

1. Bathochromic shift
2. Hypsochromic shift

3. Hyperchromic shift
4. Hypochromic shift

Q8. In DTA, temperature of sample and reference should be _____.

1. Different
2. Very high
3. Same
4. Low

Q9. Which among the following is not a quality management system?

1. Quality assurance
2. Quality system
3. Quality control
4. Quality range

Q10. Which among the following is not kaizen '5S'?

1. SEIRI
2. TQM
3. SEITON
4. SEISO