#### T.Y.B.Sc. Semester 5 Mock Exam Question Paper

#### Chemistry Paper I – Physical Chemistry

#### Multiple Choice Questions

- Q1 Vapour pressure of a liquid solvent ......when a non volatile solute is 1M dissolve in it.
  - a). Increase
  - b) Decrease
  - c) no change
  - d) Expand
- O2 Raoult's law is expressed by.....

a) 
$$\underline{P}^* - \underline{P} = X_2$$

b) 
$$\underline{P} \cdot \underline{P}^0 = X_2$$

$$d) \underline{P \cdot P^{\circ}} = X$$

- Q3 ..... is used in Rast method because it has a high value of Kr.
  - a) Camphor
  - b) Bi phenyl
  - c) Naphthalene
  - d) Sodium chloride
- Q4 Boiling point elevation of the solution ΔT<sub>b</sub> is given as.......
  - a)  $\Delta T_b = T T_0$
  - b)  $\Delta T_b = T_o T$
  - c)  $\Delta T_b = T + T_0$
  - d)  $\Delta T_b = T \times T_0$
- Q5 The unit for activation of energy is \_\_\_\_\_
  - a) kJ mof<sup>-1</sup>
  - b) kJ K-1
  - c) kJ K-1 mol<sup>-1</sup>
  - d) kJ R-<sup>1</sup>

# **Physical Science Core Sem 1 Answer Key**

**S Ben Porath** 

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In a world defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their power to kindle emotions, provoke contemplation, and ignite transformative change is actually awe-inspiring. Enter the realm of "**Physical Science Core Sem 1 Answer Key**," a mesmerizing literary masterpiece penned with a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve into the book is central themes, examine its distinctive writing style, and assess its profound effect on the souls of its readers.

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