

Bikramjeet Goswami Memorial College, joypur, Purulia

B.Sc 4th SEM Chemistry (G.E).

1×10=10

Internal Assessment

Give Answer of all questions:

- 1)What is Boyle temperature?
- 2)write down the vanderwaal's equation for n -mole real gas.
- 3)what is p-type semiconductor?
- 4) Write down the Arrhenius equation and show the different terms.
- 5)Write the unit of rate constant of a second order reaction.
- 6) What is the difference between order and molecularity?
- 7)States the rule of Fijan's.
- 8)By increasing the temperature viscosity of a liquid and gas how will be the changed?
- 9)What is compressibility factor?
- 10)Draw the structure of XeF₄ By using VSEPR Theory.

B.Sc 2nd SEM Chemistry (G.E)

Internal Assessment

1×10=10

Give Answer of all questions:

- 1)What is viscosity of a liquid?
- 2) Viscosity of a liquid is determined by which instrument?
- 3)What is compressibility factor?

- 4) write down the vanderwaal's equation for n -mole real gas.
- 5) What is critical temperature?
- 6) write down the relation between half life and rate constant of a first order reaction?
- 7) using VSEPR Theory draw the Shape of PCl_5 molecule?
- 8) What is Lattice Energy?
- 9) Write down the Arrhenius equation and show the different terms.
- 10) What is Pseudo first order reaction?

N.B:

- 1) Mention clearly Name , university Roll number, Regn number on the top of the A4 page answer script.
- 2) scan the answer script clearly and pdf format then send My email address -
ansaryfiroz@gmail.com
- 3) Last date of submission answer script via email on 28/08/2020 at 11.59pm.

DEPARTMENT OF CHEMISTRY

B.G.M College, joypur, Purulia