

J&K POLICE PUBLIC SCHOOL, MIRAN SAHIB, JAMMU

ASSIGNMENT -II

SUBJECT- CHEMISTRY

TEACHER INCHARGE- SWATI SHARMA

CLASS-12TH sci

CONTACT NO. 9622135800

MM-20

SESSION-(2020-21)

- Q 1. Nitrogen exists as diatomic molecule and phosphorus as P₄. Why? (1)
- Q 2. Why H₂S is acidic while H₂O is neutral? (1)
- Q3. Why SCl₆ is not known but SF₆ is known? (1)
- Q4. Bond dissociation energy of F₂ is more than that of Cl₂. Explain? (1)
- Q5. Which of the following contains P-O-P bond (1)
- a.hypophosphorus acid b. Phosphorus acid c. Pyrophosphoric acid d. Orthophosphoric acid
- Q6. Explain the ease of liquefaction in case of noble gases? (2)
- Q7. Complete the given reactions: (2)
- $P_4 + SOCl_2 \longrightarrow$
- $CH_3COOH + PCl_5 \longrightarrow$
- Q8. Red phosphorus is less reactive than yellow phosphorus. Explain? (3)
- Q9. What are the different oxoacids of sulphur? Give structures of pyrosulphuric acid and thiosulphuric acid? (3)
- Q10. Give preparation, properties and uses of phosphine? (5)