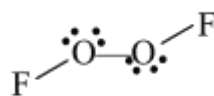
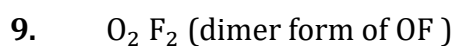
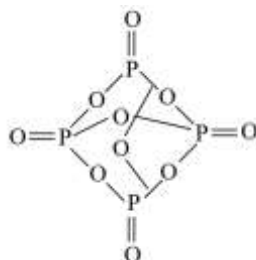
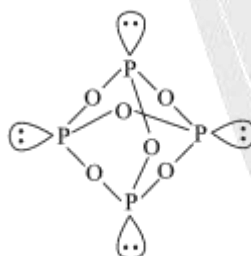
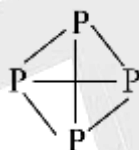
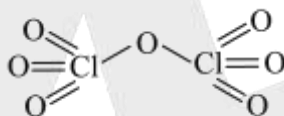
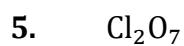
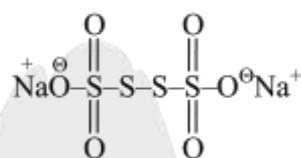
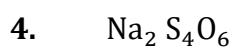
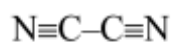
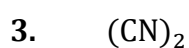
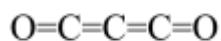
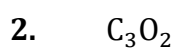
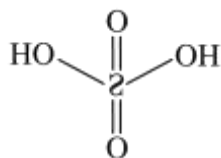


DPP-05

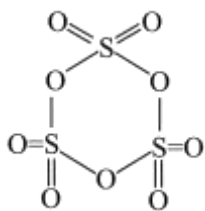
- | | |
|---|--|
| 1. H_2SO_4 | 2. C_3O_2 |
| 3. $(\text{CN})_2$ | 4. $\text{Na}_2\text{S}_4\text{O}_6$ |
| 5. Cl_2O_7 | 6. P_4 |
| 7. P_4O_6 | 8. P_4O_{10} |
| 9. O_2F_2 (dimer form of OF) | 10. S_3O_9 |
| 11. N_2O_5 | 12. $\text{S}_2\text{O}_7^{2-}$ |
| 13. N_2F_4 | 14. N_2O_3 |
| 15. SiO_2 | 16. HClO_4 |
| 17. CaCN_2 | 18. $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ |
| 19. P_4S_{10} | 20. RbIO_2 |
| 21. CsH_2PO_2 | 22. NaIO_3 |
| 23. NH_4OCN | 24. $\text{H}_2\text{S}_2\text{O}_4$ |
| 25. NaHSO_3 | 26. $\text{H}_2\text{PO}_3^{3-}$ |
| 27. $\text{H}_2\text{P}_2\text{O}_5^{2-}$ | 28. Dithionate ion ($\text{S}_2\text{O}_6^{2-}$) |
| 29. Trithionate ion ($\text{S}_3\text{O}_6^{2-}$) | 30. Thionyl chloride (SOCl_2) |
| 31. Sulphuryl chloride (SO_2Cl_2) | 32. Pyrophosphoric acid ($\text{H}_4\text{P}_2\text{O}_7$) |
| 33. Meta phosphoric acid (HPO_3) | 34. Peroxy phosphoric acid (H_3PO_5) |
| 35. Ammonium phosphite | 36. Sodium hydrogen phosphate |
| 37. Sodium dihydrogen phosphate | 38. Sodium dihydrogen pyrophosphate |
| 39. Potassium bicarbonate (KHCO_3) | 40. Calcium carbide (CaC_2) |
| 41. Peroxy diphosphoric acid ($\text{H}_4\text{P}_2\text{O}_8$) | 42. Hyponitrous acid ($\text{H}_2\text{N}_2\text{O}_2$) |
| 43. Oleum ($\text{H}_2\text{S}_2\text{O}_7$) | 44. Marshall's acid ($\text{H}_2\text{S}_2\text{O}_8$) |
| 45. Caro's acid (H_2SO_5) | |

ANSWER KEY

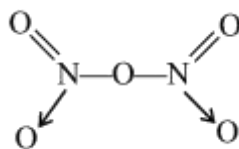
DPP-5



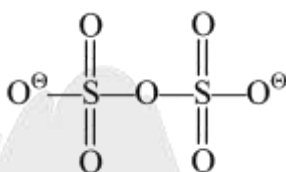
10. S_3O_9



11. N_2O_5



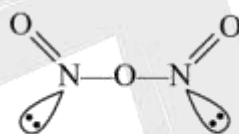
12. $S_2O_7^{2-}$



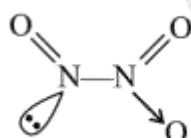
13. N_2F_4



14. N_2O_3

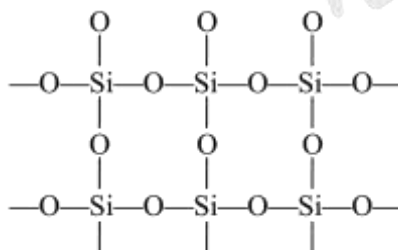


Symmetrical
or

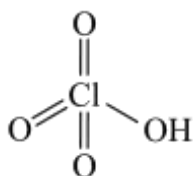


Unsymmetrical

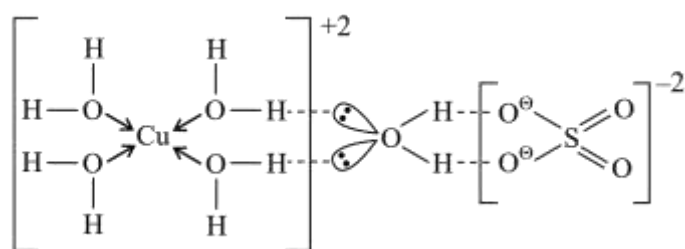
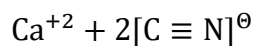
15. SiO_2



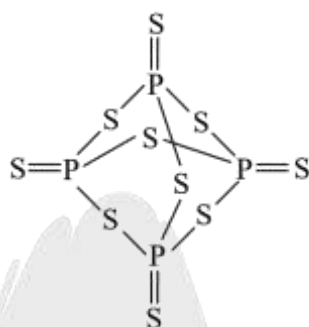
16. $HClO_4$



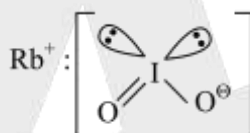
17. CaCN_2



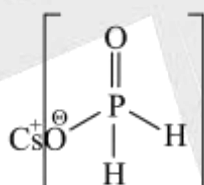
18. $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$



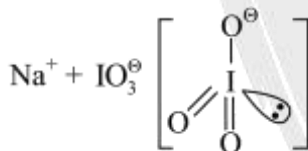
19. P_4S_{10}



20. RbIO_2

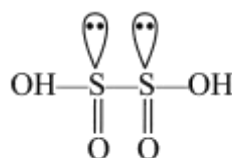
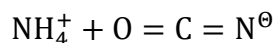


21. CsH_2PO_2

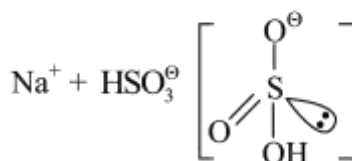


22. NaIO_3

23. NH_4OCN

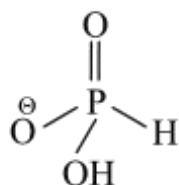


24. $\text{H}_2\text{S}_2\text{O}_4$

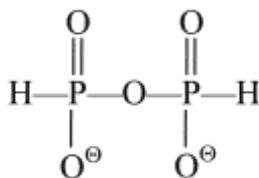


25. NaHSO_3

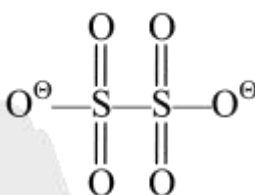
26. $\text{H}_2\text{PO}_3^\ominus$



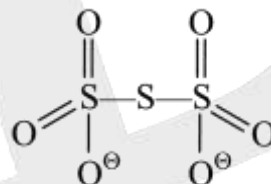
27. $\text{H}_2\text{P}_2\text{O}_5^{2-}$



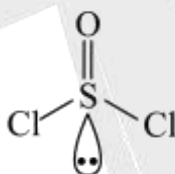
28. Dithionate ion ($\text{S}_2\text{O}_6^{2-}$)



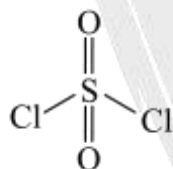
29. Trithionate ion ($\text{S}_3\text{O}_6^{2-}$)



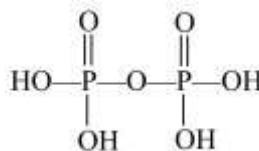
30. Thionyl chloride (SOCl_2)



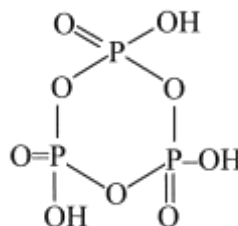
31. Sulphuryl chloride (SO_2Cl_2)



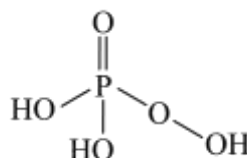
32. Pyrophosphoric acid ($\text{H}_4\text{P}_2\text{O}_7$)



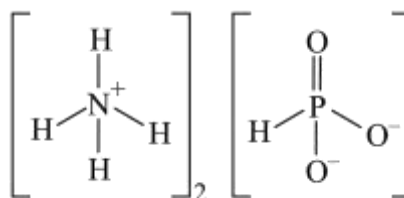
33. Meta phosphoric acid (HPO_3)



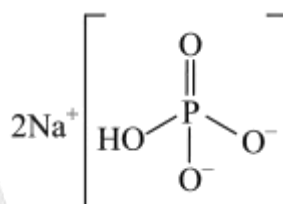
34. Peroxy phosphoric acid (H_3PO_5)



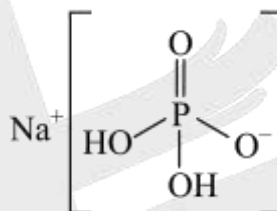
35. Ammonium phosphite $(\text{NH}_4)_2\text{HPO}_3$



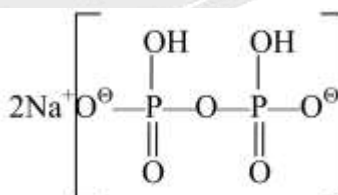
36. Sodium hydrogen phosphate Na_2HPO_4



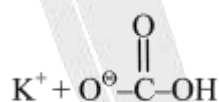
37. Sodium dihydrogen phosphate NaH_2PO_4



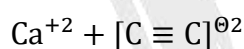
38. Sodium dihydrogen pyrophosphate



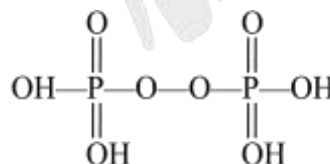
39. Potassium bicarbonate (KHCO_3)



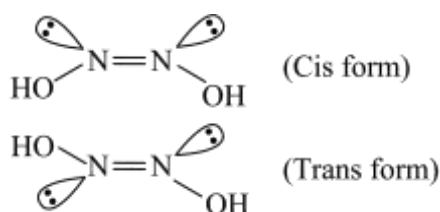
40. Calcium carbide (CaC_2)



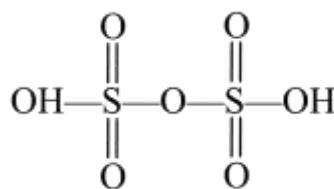
41. Peroxy diphosphoric acid ($\text{H}_4\text{P}_2\text{O}_8$)



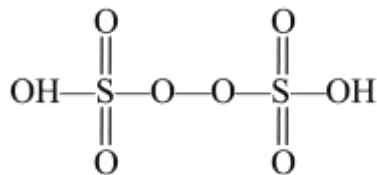
42. Hyponitrous acid ($\text{H}_2\text{N}_2\text{O}_2$)



43. Oleum ($\text{H}_2\text{S}_2\text{O}_7$)



44. Marshall's acid ($\text{H}_2\text{S}_2\text{O}_8$)



45. Caro's acid (H_2SO_5)

