

11. Orbital Hybridization was intruced by ()
 A) Pouling B) Mosle C) Lewies D) New lands
12. In which of these electronic configuration Aufbau principle is violated ()
 A) $1s^2 2s^2 2p^1$ B) $1s^2 2s^2 2p^6$
 C) $1s^2 2s^2 2p^6 3s^1$ D) $1s^2 2s^2 2p^6 3s^2 3p^6 3d^1$
13. The Electronic configuration of $1s^2 2s^2 2p^6 3s^2 3p^6$ is ()
 A) Sulphur B) Chlorine C) Neon D) Argon
14. _____ is olfactory Indicator among there ()
 A) Methyl orange B) Litmus
 C) Phenolphthelin D) Onion
15. 5f elements are example for ()
 A) Actinides B) Lanthanides
 C) Transition elements D) Representative elements
16. Which of there molecules does not have ionic bond ()
 A) Nacl B) Hcl C) $Mgcl_2$ D) $Bacl_2$
17. What colour would hydrochloric acid. ($p^H = 1$) turn universal indicator ()
 A) Organge B) Purple C) Yellow D) Red
18. Degree of Hottness or coldness is called ()
 A) Heat B) Density C) Dew D) Temperature
19. 1 Cal = _____ Joules. ()
 A) 42 B) 420 C) 4.18 D) 41.8
20. The formula of oxides for group V elements according to Mendeleeft is ()
 A) RO_5 B) R_2O_2 C) R_2O_5 D) R_3O_5

II. **Fill in the blanks with suitable answers.** $5 \times \frac{1}{2} = 2\frac{1}{2}$

21. Corrosion can be prevented by _____
22. Non-metalic oxides are _____ in nature.
23. Eka silicon is _____
24. _____ overlap is present in H_2 .
25. The refractive Index of Rock Salt is _____

III. **Match the following.**

$5 \times \frac{1}{2} = 2\frac{1}{2}$

- | <u>Group - A</u> | | <u>Group - B</u> | |
|--------------------------------|-----|--------------------|--|
| 26. Boiling point of water | () | (A) Concave mirror | |
| 27. The wave velocity | () | (B) $0^\circ C$ | |
| 28. Dentist can use the mirror | () | (C) $100^\circ C$ | |
| 29. Mendleeft (Law) Table | () | (D) $f\lambda$ | |
| 30. Modern periodic Table | () | (E) Convex mirror | |
| | | (F) Atomic Number | |
| | | (G) Atomic weight | |

