

FORMATIVE ASSESSMENT-3
CHAPTERS - 8,9

Name:..... Section:..... Roll No:..... Max.Marks:20

I. Answer the following questions. Each carries four marks. 2 x 4 = 8 M

- 1) Define ionization energy. What are the affecting factors of ionization energy? Explain.
2) Write a brief notes about Quantum numbers.

II. Answer the following questions briefly. Each carries two marks. 2 x 2 = 4 M

- 3) Draw Moeller's chart of showing ascending order of energies of various atomic orbitals.
4) How the Electro negativity varies in a period and in a group in periodic table of elements.

III. Answer the following in one or two sentences. Each carries one marks. 2 x 1 = 2 M

- 5) State Modern periodic law.
6) How many maximum number of electrons can be accommodated in all d- orbitals in M-shell?

IV. Choose the correct choice and write down in the given brackets. 6 x 1 = 6 M

- 7) The element having greatest value of Electro Negativity []

A. Fluorine B. Chlorine C. Lithium D. Sodium

- 8) The element having atomic number 48 belongs to block in periodic table. []

A. s-block B. p-block C. d-block D. f-block

- 9) 1 pico meter (pm) = m []

A. 10^{-12} B. 10^{-13} C. 10^{-14} D. 10^{-15}

- 10) The element having greatest value of Electron affinity []

A. Fluorine B. Chlorine C. Lithium D. Sodium

- 11) Valence electronic configuration of *Chromium* is []

A. $4s^23d^4$ B. $4s^13d^5$ C. $4s^23d^9$ D. $4s^13d^{10}$

- 12) Correct method of filling electrons in 1s, 2s, 2p orbitals. []

A.

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 B.

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C.

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 D.

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