NEET EXAM

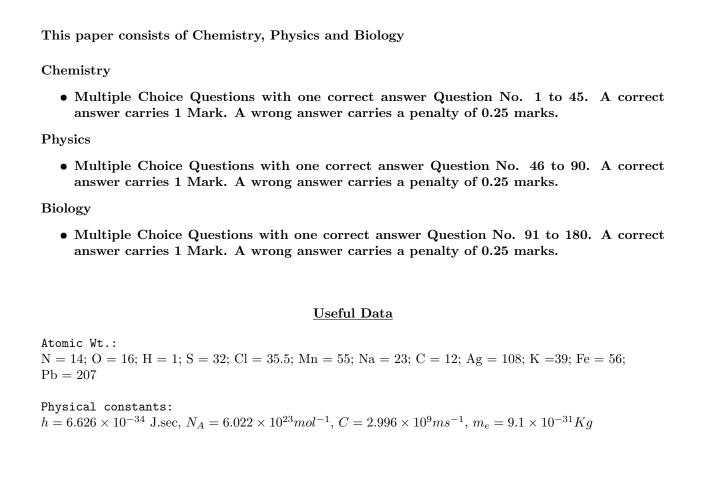
July 18, 2019

Duration: 3 Hrs

Max. Marks: 180

metal will be

a.) 2



2. In which one of the following, the number of protons is greater than number of neutrons but number of protons is less than the number of electrons?

d.) 76

c.) 33.3

b.) 24

Chemistry

1. When a metal is burnt, its weight is increased by 24 percent. The Equivalent weight of

a.) $D_2O^{(+)}$ b.) SO_2 c.) S^{2-} d.) OH^{-}

- 3. The correct order of decreasing dipole moment of
 - (I) toluene

(II) m-dichlorobenzene

(III) o-dichlorobenzene

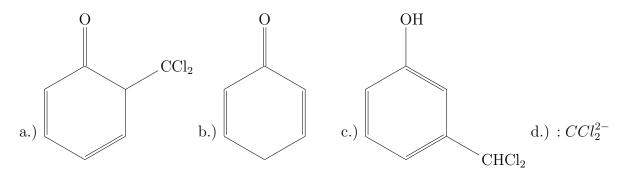
(IV) p-dichlorobenzene

a.) IV < II < I < III b.) IV < I < II < III

c.) I < IV < II < III

d.) IV < I < III < II

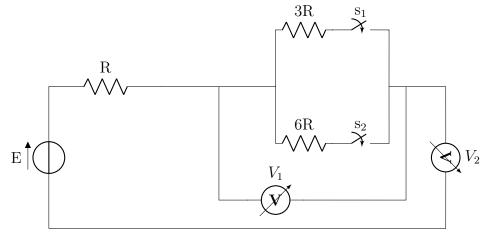
- 4. The latent heats of fusion in Jg^{-1} of five substances A (mol. mass=18) B(mol. mass=20), C(mol. mass=30), D(mol. mass=60) and E(mol. mass=30) are respectively 80, 45, 90, 45, 45. Which of the following pairs has same value of " ΔH_{fusion} "?
 - a.) A, C
- b.) B, E
- c.) D, E
- d.) C, D
- 5. Which of the following is not formed as an intermediate in the Reimer-Teimann reaction between phenol and alkaline chloroform?



- 6. Which of the following statement(s) is/are true?
 - a.) At room temperature, formyl chloride is present in the form of CO and HCl
 - b.) Acetamide behaves as a weak base as well as a weak acid
 - c.) $CH_3CONH_2 \xrightarrow{LiAlH_4} CH_3CH_2NH_2$
 - d.) All the above are true

Physics

1. In the circuit shown in the figure, reading of voltmeter is V_1 when only S_1 is closed, reading of voltmeter is V_2 when only S_2 is closed and reading of voltmeter is V_3 when both S_1 and S_2 are closed, then



- a.) $V_3 > V_2 > V_1$ c.) $V_3 > V_1 > V_2$

b.) $V_2 > V_1 > V_3$ d.) $V_1 > V_2 > V_3$

Biology

- 1. Diffusion pressure is directly proportional to:
 - a.) concentration of molecules diffusing
 - b.) kinetic energy of diffusion molecules
 - c.) concentration gradient
 - d.) all of the above
- 2. What happens when a formalin preserved filament of Spirogyra is placed in a hypertonic sugar solution?
 - a.) it losses turgidity
 - b.) it gains turgidity
 - c.) it is plasmolysed
 - d.) nothing happens
- 3. Nif genes occur in
 - a.) rhizobiium
 - b.) Aspergillus
 - c.) Penicillium
 - d.) Steptococcus
- 4. Gibberellin induces flowering in
 - a.) some plants only
 - b.) in long day plants under short day conditions
 - c.) in short day plants under long day conditions
 - d.) day neutral plants
- 5. $\alpha 1$ Antitrypsin is
 - a.) an antacid
 - b.) an enzyme
 - c.) used to treat arthritis
 - d.) used to treat emphysema