

BN-IX-19-1
CHEMISTRY — 9th

NOTE: There are three sections of this paper. Read the instructions carefully and attempt accordingly.

SECTION-A (VERSION-A)

Time: 20 Minutes

Marks: 12

1. Attempt all questions of Section-A by filling the corresponding bubble on the MCQ ANSWER SHEET and return it to the Superintendent within given time, even if you have not attempted any question. Cutting, erasing and overwriting will be awarded no marks.

i. Atomic number is represented by A) A, B) Z, C) J, D) IN

ii. Deuterium (hydrogen isotope) has neutron(s). A) one, B) two, C) three, D) four

iii. The maximum number of electrons in the third energy level is A) 1, B) 18, C) 32, D) 64

iv. There are periods in period table. A) 5, B) 6, C) 7, D) 8

v. The ability of an atom to attract electron(s) or shared pair of electrons towards itself is called

✓ A) electronegativity, B) electropositivity, C) electron affinity, D) shielding effect

vi. CaCl_2 has bond. A) metallic, B) covalent, C) coordinate, D) ionic

vii. Diamond is an allotrope of A) carbon, B) oxygen, C) sulphur, D) boron

viii. BCl_3 has structure. A) an angular, B) a triangular, C) a tetrahedral, D) none of these

ix. Ink spreads in water because of A) vapour pressure, B) expansion, C) diffusion,

D) compressibility of H_2O

x. The oxidation number of Mn in KMnO_4 is A) +2, B) +3, C) +4, D) +7

xi. Which of the following is alkaline earth metals? A) C, B) Mg, C) Al, D) Si

xii. The oxide of calcium CaO is A) acidic, B) basic, C) amphoteric, D) neutral