

Model Question paper
p-Block elements 2

11th Standard

Chemistry

Reg.No. :

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I. Answer all the questions.

II. Use blue pen only.

Time : 00:45:00 Hrs

Total Marks : 35

5 x 1 = 5

Part - A

- 1) The oxides of non-metals are usually
(a) ionic (b) coordinate (c) covalent (d) none of the above
- 2) Metallic oxides are generally
(a) acidic (b) basic (c) amphoteric (d) neutral
- 3) Fixation of nitrogen is a source for
(a) Various oxygen compounds (b) Various phosphorus compounds (c) Various nitrogen compounds (d) Various sulphur compounds
- 4) The oxyacid of nitrogen which is used in the manufacture of azo dyes.
(a) Nitrous acid (b) Nitric acid (c) Hyponitrous acid (d) Pernitric acid
- 5) An allotrope of carbon discovered by Richard Smalley et al.
(a) graphite (b) diamond (c) fullerene (d) carbon black

Part - B

3 x 2 = 6

- 6) Why diamond is hard compared with graphite?
- 7) Why Boron family has a tendency to form hydrides?
- 8) Boron does not form B^{3+} ion. Why?

Part - C

3 x 3 = 9

- 9) Mention any 3 uses of Ozone.
- 10) What are CFC's? Mention its environmental action.
- 11) What are compound oxides? Give an example.

Part - D

3 x 5 = 15

- 12) How borax bead test is helpful in identifying basic radicals in qualitative analysis?
- 13) Why silicon carbide is used as an abrasive?
- 14) How ozone reacts with the following
(a) PbS
(b) $KMnO_4$
