# Test (Classification of Elements and Periodicity in Properties)

**Time Allowed : 1 hour \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Maximum Marks : 31**

Please read the instructions carefully. You will be alloted 5 minutes specifically for this purpose.

**Instructions**

**A. General**

1. Blank papers, clipboards, log tables, slide rules, calculators, cellular phones, pagers, and electronic gadgets in any form are not allowed.

2. Do not break the seals of the question-paper booklet before instructed to do so by the invigilators.

**B. Question paper format and Marking Scheme :**

1. This question paper consists of 9 questions carrying a total of 31 Marks, Questions 1 to 3 carry 1 mark each, Questions 4 to 6 carry 2 marks each , Questions 7 to 10 carry 3 marks each and questions 11 to 12 carry five marks each.

**Q1 :** Consider the following species : N 3– , O2–, F– , Na+ , Mg2+ and Al3+

(a) What is common in them?

(b) Arrange them in the order of increasing ionic radii. 2 Marks