

General Instructions :

Read the following instructions very carefully and strictly follow them :

- (i) This Question Paper contains 38 questions. All questions are compulsory.
- (ii) Question Paper is divided into five Sections – Section A, B, C, D and E.
- (iii) In Section A – Questions no. 1 to 18 are Multiple Choice Questions (MCQs) and Questions no. 19 & 20 are Assertion-Reason based questions of 1 mark each.
- (iv) In Section B – Questions no. 21 to 25 are Very Short Answer (VSA) type questions, carrying 2 marks each.
- (v) In Section C – Questions no. 26 to 31 are Short Answer (SA) type questions, carrying 3 marks each.
- (vi) In Section D – Questions no. 32 to 35 are Long Answer (LA) type questions, carrying 5 marks each.
- (vii) In Section E – Questions no. 36 to 38 are case study based questions, carrying 4 marks each.
- (viii) There is no overall choice. However, an internal choice has been provided in 2 questions in Section B, 3 questions in Section C, 3 questions in Section D and 2 questions in Section E.
- (ix) Use of calculators is not allowed.

SECTION – A

This section consists of 20 multiple choice questions of 1 mark each. $20 \times 1 = 20$

1. If $\begin{bmatrix} a & c & 0 \\ b & d & 0 \\ 0 & 0 & 5 \end{bmatrix}$ is a scalar matrix, then the value of $a + 2b + 3c + 4d$ is :

- (A) 0
- (B) 5
- (C) 10
- (D) 25