Federal Board HSSC-I (2017)
PHYSICS HSSC-I
SECTION-A (Marks 17)

Time Allowed: 25 Minutes

NOTE:- Section-A is compulsory and comprises pages 1-2. All parts of this section are to be answered on the question paper itself. It should be completed in the first 25 minutes and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. Do not use lead pencil.

Q1. Circle the correct option i.e. A/B/C/D. Each part carries one mark.

(i) The dimensions of Power are:

    A. $[M L T^{-2}]$ B. $[M L T^{-3}]$

    C. $[M^2 L^2 T^{-2}]$ D. $[M L^2 T^{-3}]$

(ii) The significant figures in 34.678 are:

    A. 4   B. 3

    C. 5   D. 2

(iii) Two forces are acting together on an object. The magnitude of their resultant is minimum, when the angle between the forces is:

    A. 120°   B. 180°

    C. 45°   D. 60°

(iv) If the Scalar product of two vectors is $2\sqrt{3}$ and the magnitude of their vector product is 2. The angle between them is:

    A. 30°   B. 60°

    C. 180°   D. 120°