Mymensingh Girls' Cadet College
3rd Term Fornightly Examination - 2025
Subject: Statistics-I
Class: XI

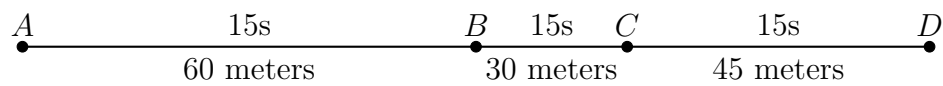Marks: 20   Time: 40 Minutes

[**N.B.** – The figures of the right margin indicate full marks. Read the stems carefully and answer the associated questions. Answer all the questions.]

1. **A vehicle moves along the path ABCD, covering each segment at a uniform velocity.**

A	15s	B	15s	C	15s	D
	60 meters		30 meters		45 meters	

   (a) What is the formula of harmonic mean?   1

   (b) When should we use the harmonic mean?   2

   (c) Find the average velocity of the vehicle.   3

   (d) Compare the average speed estimated using the arithmetic and harmonic mean and verify their suitability in the given situation.   4

— AAM —