



KARNATAKA ICSE SCHOOLS ASSOCIATION
PREPARATORY EXAMINATION (February 2023)
Subject: MATHEMATICS

Class : X
Duration: 2½ hours

Max. Marks : 80
Date : 06/01/2023

Instructions:

Answers to this paper must be written on the paper provided separately.

You will not be allowed to write during the first 15 minutes.

This time is to be spent in reading the question paper. The time given at the head of the paper is the time allowed for writing the answers.

*Attempt all questions from Section A and any **four** questions from Section B.*

All working, including rough work, must be clearly shown and must be done on the same sheet as the rest of the answer. Omission of essential working will result in loss of marks.

The intended marks for the questions or parts of questions are given in brackets [].

SECTION A

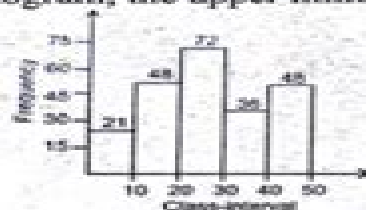
QUESTION 1

(i) The common difference of the A.P whose m^{th} term is $10m - 1$, is:

- (a) 9
- (b) 10
- (c) 11
- (d) 19

(ii) In the given histogram, the upper limit of the modal class is:

- (a) 50
- (b) 40
- (c) 60
- (d) 30



(iii) The factors of the given polynomial $3p^3 + 2p^2 - 19p + 6$ are:

- (a) $(p+2)(p-3)(3p-1)$
- (b) $(p-2)(p+3)(3p-1)$
- (c) $(p-2)(p-3)(3p-1)$
- (d) $(p+1)(p+2)(p+3)$

(iv) If 88 is the n^{th} term of the arithmetic progression 8, 13, 18, 23, then 'n' is

- (a) 13
- (b) 14
- (c) 17
- (d) 16

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M Lipman



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