

SUMMATIVE ASSESSMENT - II (2014-2015)
MATHEMATICS
Class - X

Time allowed : 3 hours

Maximum Marks : 90

General Instructions :

- (i) All questions are compulsory.
- (ii) The question paper consists of 31 questions divided into four sections A, B, C and D. Section-A comprises of 4 questions of 1 mark each, Section-B comprises of 6 questions of 2 marks each, Section-C comprises of 10 questions of 3 marks each and Section-D comprises of 11 questions of 4 marks each.
- (iii) There is no overall choice.
- (iv) Use of calculator is not permitted.

SECTION-A

Question numbers 1 to 4 carry one mark each.

Find the positive root of $\sqrt{3x^2 + 6} = 9$. 1

An observer 1.2 metres tall is 28.2 m away from the tower. The angle of elevation of the top of the tower from his eye is 60° . What is the height of the tower? 1

What is the probability of occurrence of an event that can never happen? 1

If $(5, y)$ and $(3, 7)$ are the extremities of one of the diagonals of a parallelogram the mid point of the other diagonal is $(4, 3)$ find the value of y . 1

SECTION-B

Question numbers 5 to 10 carry two marks each.

In a certain AP, the 32^{nd} term is twice the 12^{th} term. Prove that 70^{th} term is twice the 31^{st} term. 2

Maths Question Paper For Class Cbse Sa23

Lei Huang



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