

Board Paper - Mathemati...



Class X
(COURSE 2019)
Mathematics
Date: (Day-0)

General Instructions:

- (i) All questions are compulsory.
- (ii) The question paper consists of 30 questions divided into four sections – A, B, C and D.
- (iii) Section A comprises 8 questions of 1 mark each. Section B contains 4 questions of 2 marks each. Section C contains 12 questions of 3 marks each. Section D contains 6 questions of 4 marks each.
- (iv) There is no internal choice. However, an internal choice has been provided in two questions of 3 marks, two questions of 2 marks, four questions of 2 marks each and three questions of 4 marks each. You have to attempt any one of the alternative of all such questions.
- (v) Use of calculator is not permitted.

Question 1

Two positive integers a and b can be written as $a = xy$ and $b = xy$, x, y are prime numbers. Find LCM of a, b .

SOLUTION

Given $a = x^2y^2$ and $b = xy^2$ where x and y are positive integers and x and y are prime numbers.

$$a = x^2y^2$$

$$\Rightarrow a = x \times x \times x \times y \times y$$

$$\text{And } b = xy^2$$

$$\Rightarrow b = x \times y \times y \times y$$

So, the LCM of a and b will be x^2y^3 .

Question 2

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Yan Bai



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web remove from heat add apricots and let sit at least 15 minutes heat oven to 325 degrees in a tagine dutch oven or heavy bottomed pot with a tightfitting lid warm 2 tablespoons oil over medium heat until hot working in batches add lamb to pot leaving room around each piece this will help them brown

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