

QUESTION PAPER CODE 30/1/1 EXPECTED ANSWER/VALUE POINTS SECTION – A			
Q.No.	Q. No. 1 to 10 are multiple choice type question of 1 mark each. Select the correct option.		
1.	If one of the zeroes of the quadratic polynomial $x^2 + 3x + k$ is 2, then the value of k is (a) 10 (b) -10 (c) -7 (d) -2 Ans: (b) -10		
2.	The total number of factors of a prime number is (a) 1 (b) 0 (c) 2 (d) 3 Ans: (c) 2		
3.	The quadratic polynomial, the sum of whose zeroes is -5 and their product is 6, is (a) $x^2 + 5x + 6$ (b) $x^2 - 5x + 6$ (c) $x^2 - 5x - 6$ (d) $-x^2 + 5x + 6$ Ans: (a) $x^2 + 5x + 6$		
4.	The value of k for which the system of equations $x + y - 4 = 0$ and $2x + ky - 3 = 0$ has no solution, is (a) -2 (b) $\neq 2$ (c) 3 (d) 2 Ans: (d) 2		
5.	The HCF and the LCM of 12, 21, 15 respectively are (a) 3, 140 (b) 12, 420 (c) 3, 420 (d) 420, 3 Ans: (c) 3, 420		
6.	The value of x for which $2x, (x + 10)$ and $(3x + 2)$ are the three consecutive terms of an AP, is (a) 6 (b) -6 (c) 18 (d) -18 Ans: (a) 6		
7.	The first term of an AP is p and the common difference is q, then its 10 <sup>th</sup> term is (a) $q + 9p$ (b) $p - 9q$ (c) $p + 9q$ (d) $2p + 9q$ Ans: (c) $p + 9q$		
8.	The distance between the points $(a \cos \theta + b \sin \theta, 0)$ and $(0, a \sin \theta - b \cos \theta)$ , is (a) $a^2 + b^2$ (b) $a^2 - b^2$ (c) $\sqrt{a^2 + b^2}$ (d) $\sqrt{a^2 - b^2}$ Ans: (c) $\sqrt{a^2 + b^2}$		
9.	If the point $P(k, 0)$ divides the line segment joining the points $A(2, -2)$ and $B(-7, 4)$ in the ratio 1 : 2, then the value of k is, (a) 1 (b) 2 (c) -2 (d) -1 Ans: (d) -1		
10.	The value of p, for which the points $A(3, 1)$ , $B(5, p)$ and $C(7, -5)$ are collinear, is (a) -2 (b) 2 (c) -1 (d) 1 Ans: (a) -2		

# Jss3 Exam Question Paper Maths

**Wenbin Ji**



## **Jss3 Exam Question Paper Maths:**

## **Jss3 Exam Question Paper Maths** Book Review: Unveiling the Power of Words

In a global driven by information and connectivity, the energy of words has be evident than ever. They have the ability to inspire, provoke, and ignite change. Such is the essence of the book **Jss3 Exam Question Paper Maths**, a literary masterpiece that delves deep in to the significance of words and their impact on our lives. Written by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book is key themes, examine its writing style, and analyze its overall effect on readers.

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radicals and expressions that contain radicals

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web we will simplify this radical expression into the simplest form until no further simplification can be done step 1 find the factors of the number under the radical  $486 = 3 \cdot 3 \cdot 3 \cdot 3 \cdot 2$  step 2 write the number under the radical as a product of its factors as powers of 2  $486 = 3^2 \cdot 3^2 \cdot 3^2$

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