Eminenttutorials01@gmail.com +919812767336

EMINENT TUTORIALS

Coaching Institute For Classes 9th to 12th

WES

WEEKLY EVALUATION SERIES

Class	10th	Subject	Math	M.M	15

Date:- 27-09-2021

Sr. No.	QUESTIONS	M
1.	If the $HCF\ of\ 408\ and\ 1032$ is expressible in the form $1032 \times 2 + 408 \times p$, then the value of p is $(i)\ 5$ $(ii)\ -5$ $(iii)\ 4$ $(iv)\ -4$	**1**
2.	If $HCF\ (16, y) = 8\ and\ LCM\ (16, y) = 48$, then the value of y is: $(i)\ 24$ $(ii)\ 16$ $(iii)\ 8$ $(iv)\ 48$	**1**
3.	The ratio between the $LCM\ and\ HCF\ of\ 5, 15, 20$ is: $(i)\ 9:1$ $(ii)\ 4:3$ $(iii)\ 11:1$ $(iv)\ 12:1$	**1**
4.	If $A = 2n + 13, B = n + 7$, where n is a natural number then HCF of A and B is $(i)\ 2$ $(ii)\ 1$ $(iii)\ 3$ $(iv)\ 4$	**1**
5.	The HCF and LCM of two numbers are 33 and 264 respectively. When the first number is completely divided by 2 the quotient is 33. The other number is: $(i)\ 66$ $(ii)\ 130$ $(iii)\ 132$ $(iv)\ 196$	**1**
6.	Pairs of natural numbers whose least common multiple is 78 and the greatest common divisor is 13 are: (i) 58 and 13 or 16 and 29 (ii) 68 and 23 or 36 and 49 (iii) 18 and 73 or 56 and 93 (iv) 78 and 13 or 26 and 39	**1**
7.	For any two positive integers a and b, HCF (a, b) × LCM (a, b) =_____. $(i)\ 1$ $(ii)\ a + b$ $(iii)\ \frac{a \times b}{2}$ $(iv)\ a \times b$	**1**
8.	Two natural numbers whose sum is 85 and the least common multiple is 102 are: (i) 30 and 55 (ii) 35 and 55 (iii)17 and 68 (iv)51 and 34	**1**
9.	The unit's digit obtained on simplifying 207×781×39×94 is: $(i)\ 9$ $(ii)1$ $(iii)\ 7$ $(iv)2$	**1**
10.	The least number that is divisible by all the numbers from 1 to 10 (both inclusive)is: $(i)\ 10$ $(ii)100$ $(iii)\ 504$ $(iv)2520$	**1**
11.	HCF is always: (i) multiple of LCM (ii) factor of LCM (iii) divisible by LCM (iv) Option a and c both	**1**
12.	The decimal expansion of $\frac{63}{72\times175}$ is: (i) terminating (ii) non − terminating (iii) non − terminating and repeating $(iv)\ None$	**1**
13.	LCM of 25, 35 and 105 is: (i) 555 (ii) 565 (iii) 575 $(iv)\ None$	**1**
14.	If $(x + 1)$ is a factor of $2x^3 + ax^2 + 2bx + 1$, then find the values of a and b given that $2a - 3b = 4$ $(i)\ a = 2, b = 0$ $(ii)\ a = -1, b = -2$ $(iii)\ a = 2, b = 5$ $(iv)\ a = 5, b = 2$	**1**
15.	If $x = 0.\overline{7}$, what is the value of $2x$? $(i)\ 1.\overline{4}$ $(ii)\ 1.\overline{5}$ $(iii)\ 1.\overline{54}$ $(iv)\ 1.\overline{45}$	