Mathematics 9th Class English Medium Unit 6 Online Test

Sr	Questions	Answers Choice
1	If two are more algebraic expression are given then their common factors of highest power is called of the expressions:	A. LCM B. HCF C. Multiplication D. Square root
2	To find HCF, we use following method:	A. By factorization B. By division C. Both a and b D. None
3	HCF of p^3q-pq^3 and $p^5q^2-p^2q^5$ is:	A. pq(p²-q²) B. pq(p-q) C. p²q²(p-q) D. pq(p³-q³)
4	HCF of $5x^2y^2$ and $20x^3y^3$ is:	A. 5x²y² B. 20x³y³ C. 10x⁵y⁵ D. 5xy
5	HCF of x-2 and x+x-6 is:	A. x²+x-6 B. x+3 C. x-2 D. x+2
6	HCF of a^3+b^3 and a^2-ab+b^2 is:	A. a+b B. a²-ab+b² C. (a-b)² D. a²+b²
7	HCF of x^2-5x+6 and x^2-x-6 is:	A. x-3 B. x+2 C. x²-4 D. x-2
8	HCF of a^2-b^2 and a^3-b^3 is:	A. a-b B. a+b C. a²=ab+b² D. a²-ab+b²
9	HCF of x^2+3x+2, x^2+4x+3 and x^2+5x+4 is:	A. x+1 B. (x+1)(x+2) C. (x+3) D. (x+4)(x+1)
10	LCM of $15x^2$, 45xy and 30xy is:	A. 90xyz B. 90x²yz C. 15xyz D. 15x²yz
11	LCM of a^2+b^2 and a^4-b^4 is:	A. a²+b² B. a²-b² C. a⁴-b⁴ D. a-b
12	The product of two algebraic expressions is equal to the _____ of their HCF and LCM:	A. Sum B. Difference C. Product D. Quotient
13	We can find square root by the method	A. By factorization B. By division C. Both a and b D. None
14	Question Image	
15	Question Image	
16	Question Image	
17	Question Image	
18	Question Image	

19	What should be added to complete the square of x^4+64 _____ :	A. 8x² B. -8x² C. 16x² D. 4x²
20	H.C.F of $p^3q - pq^3$ and $p^5q^2 - p^2q^5$ is _____:	A. pq(p²-q²) B. pq(p-q) C. p²q²(p-q) D. pq(p³-q³)
21	H.C.F of $5x^2y^2$ and $20x^3y^3$ is _____	A. 5x²y² B. 20x³y³ C. 100x⁵y⁵ D. 5xy
22	H.C.F of x-2 and x^2+x-6 is _____:	A. x²+x-6 B. x+3 C. x-2 D. x+2
23	The square root of (4x2-12x+9):	A. (2x+3) B. (2x-3)
24	H.C.F of x^2-4 and $2x^2$+x-6:	A. (x-2) B. (x+2) C. (2x-3) D. (x+2)(2x-3)
25	Question Image	
26	H.C.F of $39x^7y^3z$ and $91x^5y^6z^7$ is:	A. 13x⁷y⁶z² B. 13x⁵y³z C. 91x⁵y⁶z² D. 91x⁵y³z