



11.  $a^2 - b^2$  is a product of  
(a)  $(a+b)(a-b)$                       (b)  $(a+b)(a+b)$                       (c)  $(a-b)(a-b)$                       (d) None of these
12. Which of the following is the value of  $(x + 1/x)^2$ ?  
(a)  $x^2 + 1/x^2$                       (b)  $x^2 - 1/x^2$                       (c)  $x^2 + 1/x^2 + 2$                       (d)  $x^2 + 1/x^2 + 2x$
13. Which of the following is obtained by subtracting  $x^2 - y^2$  from  $y^2 - x^2$ ?  
(a)  $-2(x^2 - y^2)$                       (b)  $-2(x^2 + y^2)$                       (c)  $2(x^2 + y^2)$                       (d)  $2(x^2 - y^2)$
14. What degree does  $x^3 - x^2y^2 - 8y^2 + 2$  have?  
(a) 2                      (b) 3                      (c) 4                      (d) 7
15. What is the value of  $5x^{25} - 3x^{32} + 2x^{-12}$  at  $x=1$ ?  
(a) 0                      (b) 2                      (c) 4                      (d) None of these
16. What is the product of  $(x+a)$  and  $(x+b)$ ?  
(a)  $x^2 + (a-b)x + ab$                       (b)  $x^2 + (a+b)x - ab$                       (c)  $x^2 + (a+b)x - ab$                       (d)  $x^2 + (a+b)x + ab$
17. What is the perimeter of square of side 25 cm?  
(a) 100 cm                      (b) 75 cm                      (c) 25 cm                      (d) 625 cm
18. What is the perimeter of rectangle of length 20 m and breadth 10 m?  
(a) 50 m                      (b) 60 m                      (c) 40 m                      (d) 200 m
19. The terms of expression  $4x^2 - 3xy$  are:  
(a)  $4x^2$  and  $-3xy$                       (b)  $4x^2$  and  $3xy$                       (c)  $4x^2$  and  $xy$                       (d)  $x^2$  and  $-xy$
20. Coefficients of  $x$  in  $-9xy^2z$  is,  
(a)  $-9$                       (b)  $-9yz$                       (c)  $-9y^2z$                       (d)  $xyz$

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