## NYADAVSIR

मातांक तथा करणी (Surds & Indices)

1. 
$$(16)^{\frac{3}{4}}$$
 बराबर है-
(1)  $2\sqrt{2}$  (2)  $4\sqrt{2}$  (3) 8 (4) 16 (1) (1) 10 (2) 100 (3) 1000 (4) 10,000 (4) 10,000 (2) (8)  $\frac{3}{4}$  बराबर है-
(1)  $3\frac{1}{3}$  (2) 4 (3)  $5\frac{1}{2}$  (4)  $21\frac{1}{3}$  (1)  $\frac{11}{3}$  (1)  $\frac{11}{4}$  (256)\*\*\* (256)\*\*\* = 7 (1) 13.  $\frac{11}{4}$  (256)\*\*\* (256)\*\* = 7 (1) 14.  $\frac{11}{4}$  (256)\*\*\* (256)\*\*\* = 7 (1) 15.  $\frac{11}{4}$  (2)  $\frac{11}{4}$  (3)  $\frac{11}{4}$  (4)  $\frac{11}{4}$  (4)  $\frac{11}{4}$  (55)  $\frac{11}{4}$  (1)  $\frac{11}{4}$  (2)  $\frac{11}{4}$  (3)  $\frac{11}{4}$  (4)  $\frac{11}{4}$  (5)  $\frac{11}{4}$  (5)  $\frac{11}{4}$  (7)  $\frac{11}{4}$  (8)  $\frac{11}{4}$  (9)  $\frac{11}{4}$  (1)  $\frac{11}{4}$  (2)  $\frac{11}{4}$  (1)  $\frac{11}{4}$  (2)  $\frac{11}{4}$  (2)  $\frac{11}{4}$  (3)  $\frac{11}{4}$  (4)  $\frac{11}{4}$  (5)  $\frac{11}{4}$  (1)  $\frac{11}{4}$  (2)  $\frac{11}{4}$  (3)  $\frac{11}{4}$  (4)  $\frac{11}{4}$  (1)  $\frac{11}{4}$  (2)  $\frac{11}{4}$  (3)  $\frac{11}{4}$  (4)  $\frac{11}{4}$  (1)  $\frac{11}{4}$  (2)  $\frac{11}{4}$  (3)  $\frac{11}{4}$  (4)  $\frac{11}{4}$  (1)  $\frac{11}{4}$  (1)  $\frac{11}{4}$  (2)  $\frac{11}{4}$  (3)  $\frac{11}{4}$  (4)  $\frac{11}{4}$  (1)  $\frac{11}{4}$  (1)  $\frac{11}{4}$  (2)  $\frac{11}{4}$  (3)  $\frac{11}{4}$  (4)  $\frac{11}{4}$  (1)  $\frac{11}{4}$  (1)  $\frac{11}{4}$  (2)  $\frac{11}{4}$  (3)  $\frac{11}{4}$  (4)  $\frac{11}{4}$  (1)  $\frac{11}{4}$  (1)  $\frac{11}{4}$  (2)  $\frac{11}{4}$  (2)  $\frac{11}{4}$  (3)  $\frac{11}{4}$  (4)  $\frac{11}{4}$  (1)  $\frac{11}{4}$  (1)  $\frac{11}{4}$  (2)  $\frac{11}{4}$  (2)  $\frac{11}{4}$  (3)  $\frac{11}{4}$  (4)  $\frac{11}{4}$  (1)  $\frac{11}{4}$  (1)  $\frac{11}{4}$  (2)  $\frac{11}{4}$  (2)  $\frac{11}{4}$  (3)  $\frac{11}{4}$  (4)  $\frac{11}{4}$  (1)  $\frac{11}{4}$  (2)  $\frac{11}{4}$  (2)  $\frac{11}{4}$  (3)  $\frac{11}{4}$  (4)  $\frac{11}{4}$  (1)  $\frac{11}{4}$  (1)  $\frac{11}{4}$  (2)  $\frac{11}{4}$  (2)  $\frac{11}{4}$  (3)  $\frac{11}{4}$  (4)  $\frac{11}{4}$  (1)  $\frac{11$ 

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9. 
$$\left(\frac{1}{216}\right)^{-\frac{2}{3}} \div \left(\frac{1}{27}\right)^{-\frac{4}{3}} = ?$$

(1) 
$$\frac{3}{4}$$
 (2)  $\frac{2}{3}$  (3)  $\frac{4}{9}$  (4)  $\frac{1}{8}$ 

10. 
$$\frac{1}{(216)^{-\frac{2}{3}}} + \frac{1}{(256)^{-\frac{3}{4}}} + \frac{1}{(32)^{-\frac{1}{5}}} \quad \text{for } \exists \in -$$

11. 
$$\left\{ \left(10\right)^{150} \div \left(10\right)^{146} \right\}$$
 का मान ਵੈ $-$  (1) 1000 (2) 10000 (3) 100000 (4)  $10^8$  ( )

27. 
$$\left[5\left(8^{\frac{1}{3}} + 27^{\frac{1}{3}}\right)^3\right]^{\frac{1}{4}}$$
 का मान है—
(1) 5 (2) 25 (3) 125 (4) 625 ( )

24. यदि  $3^{(x-y)} = 27$  तथा  $3^{(x+y)} = 243$  हो, तो x का मान है—

(3) 4

(3) 75

(3) 0.08

(4) 6

(4) 125

(4) 0.8

(1) 0 (2) 2

25.  $(5^7 \times 5^4 \div 5^8)$  का मान है-

26. (0.00032)0.6 का मान क्या है-

(1) 0.0008

(2) 50

(2) 0.008

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ANSWER KEY									
1.3	2.2	3.3	4.3	5.4	6.3	7.4	8.1	9.3	10.1
11.2	12.3	13.4	14.1	15.2	16.4	17.4	18.3	19.1	20.2
21.2	22.1	23.4	24.3	25.4	26.2	27.1	28.3	29.4	30.3
						37.2			