



1. Which of the following is not a perfect cube?

- (i) 729 (ii) 216 (iii) 67 (iv) 125 (v) 8

2. $\sqrt[3]{\frac{8}{27}}$ =

- (i) $\frac{2}{3}$ (ii) $\frac{4}{3}$ (iii) 0 (iv) $\frac{2}{5}$ (v) 2

3. Find the exponential notation of

$-17 \times -17 \times -17$

- (i) $(-17)^4$ (ii) $(-17)^3$ (iii) $(-20)^3$ (iv) $(-15)^3$ (v) $(-17)^2$

4. Find the greatest 4 digit number which is a perfect square?

- (i) 9801 (ii) 9802 (iii) 9800 (iv) 9799 (v) 9804

5. Find the cube root of $(\frac{-1}{64})$

- (i) $(\frac{-1}{2})$ (ii) $(\frac{-1}{4})$ (iii) $(\frac{-1}{6})$ (iv) $\frac{1}{4}$ (v) $(\frac{-3}{4})$

6. Find the greatest 5 digit number which is a perfect square?

- (i) 99855 (ii) 99856 (iii) 99854 (iv) 99858 (v) 99857

7. Find the greatest 3 digit number which is a perfect square?

- (i) 964 (ii) 962 (iii) 960 (iv) 959 (v) 961

8. 1^0 =

- (i) -1 (ii) 1 (iii) ∞ (iv) undefined (v) 0

9. Find the cube root of 17576

- (i) 26 (ii) 679 (iii) 676 (iv) 29 (v) 23

10. Find the square root of 3699.9000

- (i) 62.8268 (ii) 60.8268 (iii) 61.8268 (iv) 58.8268 (v) 59.8268

11. Find the square root of 409.056

- (i) 22.225 (ii) 19.225 (iii) 21.225 (iv) 18.225 (v) 20.225

12. Which of the following is a perfect square?

- (i) 1368 (ii) 730 (iii) 100 (iv) 118 (v) 1228

13. The smallest number by which 432 must be divided so that the quotient is a perfect cube is?

- (i) 4 (ii) 1 (iii) 3 (iv) 0 (v) 2

14. Find the cube of 16

- (i) 4096 (ii) 4099 (iii) 4093 (iv) 256 (v) 259

15. Find the exponential notation of

$$19 \times 19 \times 19 \times 19$$

- (i) 19^3 (ii) 21^4 (iii) 19^4 (iv) 16^4 (v) 19^5

16. The smallest number by which 675 must be multiplied so that the product is a perfect square is?

- (i) 1 (ii) 3 (iii) 6 (iv) 2 (v) 4

17. $0^0 =$

- (i) 0 (ii) -1 (iii) undefined (iv) ∞ (v) 1

18. How many digits are there in the square root of 124609?

- (i) 4 (ii) 2 (iii) 0 (iv) 3 (v) 6

19. Find the least number that must be added to 836 to get a perfect square?

- (i) 4 (ii) 5 (iii) 2 (iv) 6 (v) 7

20. Find the exponential notation of

$$2 \times 2 \times 2$$

- (i) $(-1)^3$ (ii) 2^2 (iii) 2^3 (iv) 2^4 (v) 5^3

21. $\sqrt{1.6900} =$

- (i) 1.2 (ii) 1.3 (iii) 1.4 (iv) 0.13 (v) 1.5

22. What is the unit place digit in the square of 30?

- (i) 6 (ii) 1 (iii) 0 (iv) 3 (v) 4

23. $-1^3 =$

- (i) ∞ (ii) -1 (iii) undefined (iv) 0 (v) 1

24. Find the cube root of -125

- (i) -6 (ii) -4 (iii) -3 (iv) -7 (v) -5

25. Find the least number that must be subtracted from 331 to get a perfect square?

- (i) 4 (ii) 6 (iii) 8 (iv) 10 (v) 7

Assignment Key

1) (iii)	2) (i)	3) (ii)	4) (i)	5) (ii)	6) (ii)
7) (v)	8) (ii)	9) (i)	10) (ii)	11) (v)	12) (iii)
13) (v)	14) (i)	15) (iii)	16) (ii)	17) (iii)	18) (iv)
19) (ii)	20) (iii)	21) (ii)	22) (iii)	23) (ii)	24) (v)
25) (v)					