VIII th	**D. A. V - Thane** **SUBJECT** : Maths Maths (DAV-VIII)	**Marks :** 20
Objective Test		**Time (mm:ss) :** 30:00

1. How many non-square numbers lie between 93^2 and 94^2 ?

a. 125

b. 140

c. 186

d. 200

2. The difference between 325^2 and 324^2 ?

a. 540

b. 649

c. 810

d. 152

3. The square root of 1024 is :

a. 45

b. 28

c. 15

d. 32

4. The units digit in the square of 1294 is:

a. 5

b. 6

c. 7

d. 8

5. Find $\sqrt{0.0576}$

a. 1.8

b. 0.24

c. 0.08

d. 1.26

6. The area of a square field is 1444 m^2. Then the length of its side is :

a. 38 *m*

b. 25 *m*

c. 12 *m*

d. 45 *m*

7. The square root of $\frac{1225}{576}$ is

a. $\frac{15}{26}$

b. $\frac{21}{9}$

c. $\frac{35}{24}$

d. $\frac{18}{17}$

8. The value of $\sqrt{169 \times 225}$ is:

a. 92

b. 108

c. 298

d. 195

9. What is that number which when multiplied by itself gives 1.5625?

a. 2.25

b. 1.25

c. 5.25

d. 0.25

10. Find a Pythagorean triplet in which one number is 12.

a. (11, 13, 12)

b. (7, 9, 12)

c. (5, 12, 13)

d. (3, 5, 12)

11. Find the value of $\sqrt{2025} + \sqrt{625}$

a. 40

b. 50

c. 65

d. 70

12. The smallest number by which 1125 must be divided so that it becomes a perfect square is:

a. 5

b. 4

c. 3

d. 2

13. Which of the following is a perfect cube?

a. 216

b. 1323

c. 3087

d. None of these

14. Which of the following is the smallest number by which 2560 must be multiplied so that the product is a perfect cube?

a. 50

b. 25

c. 75

d. 100

15. Perfect cubes may end with …….

a. One zero

b. Two zeroes

c. Three zeroes

d. None of these

16. Evaluate $\sqrt[3]{\frac{512}{343}}$?

a. $\frac{8}{9}$

b. $\frac{2}{3}$

c. $\frac{8}{3}$

d. $\frac{8}{7}$

17. What is the cube root of (– 2744)?

a. –12

b. –13

c. –14

d. 14

18. Cube of 0.1 is equal to ……?

a. 0.3

b. 0.1

c. 0.0001

d. 0.001

19. $\sqrt[3]{0.027} - \sqrt[3]{0.008} = - - - --$

a. 0.1

b. 0.001

c. 0.019

d. 0.0001

20. What is the value of $\sqrt[3]{216 \times (-64)}$

a. 6

b. -12

c. -24

d. 48

ALL THE BEST