



Pious Mission School, Arwal

"Practice Examination"

Session : 2020-21

Time : 1 Hrs
F.M : 40M

Sub : Maths

Class : VIII

(Group -A) 1 mark each

- 1) Which of the following numbers is not a perfect square ?
a) 1156 b) 4787 c) 2704 d) 3969
- 2) Which of the following can't be the unit digit of a perfect square number ?
a) 6 b) 1 c) 9 d) 8
- 3) Which of the following is a pythagorean triplet ?
a) (2,3,5) b) (5,7,9) c) (6,9,11) d) (8,15,,17)
- 4) $\sqrt{2\frac{1}{4}} =$
1) $2\frac{1}{2}$ b) $1\frac{1}{2}$ c) $1\frac{1}{4}$ d) none of these
- 5) Which of the following is the square of an even number ?
a) 196 b) 441 c) 625 d) 529
- 6) Which of the following is the square of an odd number ?
a) 2116 b) 3844 c) 1369 d) 2500
- 7) The digit in the unit place of the cube 47 is
a) 9 b) 7 c) 3 d) 1
- 8) $\sqrt[3]{\frac{-512}{729}} =$
1) $^{-7}/_9$ b) $^{-8}/_9$ c) $^7/_9$ d) $^8/_9$
- 9) $\sqrt[3]{-512} + \sqrt{64} =$
a) 0 b) 16 c) 4 d) 8
- 10) $\sqrt[3]{125 \times 64} =$
a) 100 b) 40 c) 20 d) 30
- 11) The unit digit in the cube root of perfect cube -205379 is
a) 3 b) 9 c) 6 d) 7
- 12) The digit in the unit place of cube root of perfect cube 778688 is
a) 8 b) 2 c) 4 d) 9
- 13) The least no. by which 32 should be multiplied to make it a perfect cube is
a) 3 b) 2 c) 4 d) 1
- 14) $0 \div \frac{4}{7} =$
a) $^7/_4$ b) $^4/_7$ c) $^{-4}/_7$ d) 0
- 15) $(\frac{-5}{7}) \div 0$
a) $^{-5}/_7$ b) 0 c) $^{-7}/_5$ d) undefined

16) $\frac{-8}{11} \div ? = -1$ Then ? =

- a) $\frac{8}{11}$ b) $\frac{11}{8}$ c) $\frac{3}{11}$ d) $\frac{-19}{11}$

17) A rational no. between $\frac{-2}{3}$ and $\frac{1}{4}$ is

- a) $\frac{5}{12}$ b) $\frac{-5}{12}$ c) $\frac{7}{24}$ d) $\frac{-5}{24}$

18) The absolute value of $-\frac{5}{4}$ is

- a) $\frac{-5}{4}$ b) $\frac{5}{4}$ c) $\frac{-4}{5}$ d) $\frac{4}{5}$

19) Reciprocal of $\frac{-5}{7}$ is

- a) $-\frac{7}{5}$ b) $\frac{5}{7}$ c) $\frac{-5}{7}$ d) none

20) Additive inverse of a rational no. $\frac{-3}{5}$ is

- a) $\frac{-3}{5}$ b) $\frac{3}{5}$ c) $-\frac{5}{3}$ d) none

(Group-B) 2-marks each

21) Find the smallest number by which 1800 must be multiplied so that the product is a perfect square.

22) Evaluate $(436)^2 - (435)^2$

23) Find the pythagorean triplet whose smallest no. is 18.

(Group-C) 3-marks each

24) Find the squares of the following nos. using column method

- a) 38 b) 87

25) Find the value of $(29)^3$ by column method.

(Group-D) 4-marks each

26) Find the cube root of $\frac{1331}{4096}$

27) Find the square root by long division method.
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