

Navik Quantitative Aptitude Paper 22 March 2021 (All Shifts)

20 Questions

Que. 1 The cost price of a teddy is Rs.1500 and it was sold for Rs.1230, find the loss %?

1. 20%
2. 15%
3. 18%
4. 21%

Solution Correct Option - 3

Que. 2 A train of length 105 m crosses a man in 15 seconds, and crosses a platform in 35 seconds, Then what is the length of the platform?

1. 245 meter
2. 140 meter
3. 300 meter
4. 150 meter

Solution Correct Option - 2

Que. 3 2.25 expressed as a percent of 15 is:

1. 20
2. 15
3. 18
4. 22

Solution Correct Option - 2

Que. 4 Find the median of given data.

{13, 2, 5, 18, 6, 3, 6, 7, 8, 11, 17}

1. 6
2. 6.5
3. 7
4. 8

Solution Correct Option - 3

Que. 5 Calculate the volume of sphere with diameter 42 cm.

1. 48007 cu cm
2. 42963 cu cm
3. 38808 cu cm
4. 28660 cu cm

Solution Correct Option - 3

Que. 6 The ratio of three numbers is 2 : 3 : 4. The sum of these numbers is 108. What is the largest number?

1. 48
2. 46
3. 56
4. 42

Solution Correct Option - 1

Que. 7 If A is 80% of B, what percent of B is A?

1. 125
2. 130
3. 122
4. 132

Solution Correct Option - 1

Que. 8 If $11\sqrt{n} = \sqrt{112} + \sqrt{343}$, then the value of n is:

1. 11
2. 13
3. 7
4. 3

Solution Correct Option - 3

Que. 9 The speed of car A is two times of car B's speed. If car A covers a distance of 154 kilometers 2 hours and 45 minutes then find the speed of the car B.

1. 42 km/hr
2. 28 km/hr
3. 27 km/hr
4. 21 km/hr

Solution Correct Option - 2

Que. 10 If $x + 1/x = 3$, then find the value of $x^6 + 1/x^6$.

1. 365
2. 364
3. 322
4. 343

Solution Correct Option - 3

Que. 11 If $\sin(3A) = \cos(70^\circ - A)$, then find the value of A?

1. 8°
2. 5°
3. 7°
4. 10°

Solution Correct Option - 4

Que. 12 Find the area of the shaded region if the radius of the circle is 14 cm.



1. 300 cm^2
2. 304 cm^2
3. 308 cm^2
4. 312 cm^2

Solution Correct Option - 3

Que. 13 The ratio of the angles in a quadrilateral are in ratio 2 : 6 : 4 : 8. Find the value of the smallest angle.

1. 54°
2. 36°
3. 18°
4. 24°

Solution Correct Option - 2

Que. 14 A sum of money amounts to Rs. 24000 in 2 years and Rs. 30000 in 5 years at simple interest, find the rate of interest.

1. $50/3\%$
2. 10%
3. 20%
4. 5%

Solution Correct Option - 2

Que. 15 The LCM of two numbers is 25 times their HCF. The product of the two numbers is 2025. Find the HCF.

1. 81
2. 45
3. 9
4. 18

Solution Correct Option - 3

Que. 16 Find the value of $(\sin 78^\circ / \cos 12^\circ) - (\sin 63^\circ / \cos 27^\circ) + 3(\cos^2 69^\circ + \cos^2 21^\circ)$

1. 4
2. 3
3. 5

4. 6

Solution Correct Option - 2

Que. 17 3 men and 4 women can complete the work in 10 days. 24 men and 2 women can complete the work in 2 days. What is time taken by 11 men and 3 women to complete it?

1. 2 days
2. 4 days
3. 8 days
4. 16 days

Solution Correct Option - 2

Que. 18 Nitin purchases 4 seed bag at the same price. He sell two seed bags at 10% profit, one at 6% loss and the last one at 10% loss then find net profit or loss%.

1. 1% loss
2. 5% profit
3. 1% profit
4. 5% loss

Solution Correct Option - 3

Que. 19 A bag contains Rs 110 in the form of Rs.1, 50 paise, and 25 paise coins. The ratio of the number of coins 1 : 2 : 3. Find out number of coins of 50 paise.

1. 80
2. 60
3. 30
4. 90

Solution Correct Option - 1

Que. 20 The average of 15 numbers is 22. If the 16th number is added into them the average becomes 25 then what is the 16th number?

1. 70
2. 48
3. 60
4. 54

Solution Correct Option - 1