

# Nokia Aptitude Placement Papers

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1. If  $5x + 3 = 18$ , what is the value of  $x$ ?

- A) 2
- B) 3
- C) 4
- D) 5

2. What is the square root of 144?

- A) 10
- B) 11
- C) 12
- D) 13

3. If the price of a book is increased by 20%, and the original price is ₹100, what will be the new price?

- A) ₹110
- B) ₹120
- C) ₹130
- D) ₹140

4. A person travels 60 km in 2 hours. What is the speed of the person?

- A) 30 km/h
- B) 40 km/h
- C) 50 km/h
- D) 60 km/h

5. If the ratio of the ages of A and B is 3:4, and A's age is 24 years, what is B's age?

- A) 28 years
- B) 30 years
- C) 32 years
- D) 36 years

6. A man invests ₹1000 at 5% annual interest. What will be the simple interest after 2 years?

- A) ₹90
- B) ₹100
- C) ₹110
- D) ₹120

7. A car travels at a speed of 45 km/h. How long will it take to cover a distance of 135 km?

- A) 2 hours
- B) 3 hours
- C) 4 hours
- D) 5 hours

**8. The average of five numbers is 20. What is the sum of the numbers?**

- A) 90
- B) 100
- C) 105
- D) 110

**9. The perimeter of a rectangle is 24 cm. If the length is 8 cm, what is the width of the rectangle?**

- A) 4 cm
- B) 5 cm
- C) 6 cm
- D) 7 cm

**10. If the cost of 3 pens is ₹45, what will be the cost of 8 pens?**

- A) ₹100
- B) ₹105
- C) ₹110
- D) ₹115

**11. A cylinder has a radius of 7 cm and a height of 10 cm. What is the volume of the cylinder? (Use  $\pi = 3.14$ )**

- A) 154 cm<sup>3</sup>
- B) 1540 cm<sup>3</sup>
- C) 172 cm<sup>3</sup>
- D) 1720 cm<sup>3</sup>

**12. If a train travels at 80 km/h, how long will it take to travel 200 km?**

- A) 2 hours
- B) 2.5 hours
- C) 3 hours
- D) 4 hours

**13. A bag contains 3 red, 5 blue, and 7 green balls. What is the probability of selecting a green ball?**

- A) 1/3
- B) 7/15
- C) 7/5
- D) 1/5

**14. In a class of 40 students, 25% of the students are absent. How many students are present?**

- A) 30
- B) 35
- C) 25
- D) 20

**15. A number is increased by 20% and then decreased by 20%. What is the net percentage change?**

- A) 4% decrease
- B) 4% increase
- C) 10% decrease
- D) 10% increase

**16. What is the value of 2 to the power of 6?**

- A) 64
- B) 128
- C) 256
- D) 512

**17. The average of 10 numbers is 12. What is the sum of these numbers?**

- A) 120
- B) 110
- C) 100
- D) 130

**18. A triangle has angles in the ratio 2:3:4. What is the measure of the largest angle?**

- A)  $60^\circ$
- B)  $80^\circ$
- C)  $90^\circ$
- D)  $100^\circ$

**19. What is the area of a square whose side length is 6 cm?**

- A)  $30 \text{ cm}^2$
- B)  $36 \text{ cm}^2$
- C)  $40 \text{ cm}^2$
- D)  $45 \text{ cm}^2$

**20. A man sells an article for ₹500 and gains 25%. What is the cost price of the article?**

- A) ₹400
- B) ₹425
- C) ₹450
- D) ₹475

**Answers:**

1. B) 3
2. C) 12
3. B) ₹120
4. B) 30 km/h
5. C) 32 years
6. B) ₹100
7. B) 3 hours
8. B) 100
9. A) 4 cm
10. B) ₹105
11. A) 154 cm<sup>3</sup>
12. B) 2.5 hours
13. B) 7/15
14. A) 30
15. A) 4% decrease
16. A) 64
17. A) 120
18. B) 80°
19. B) 36 cm<sup>2</sup>
20. A) ₹400