

NAT II Physical Science Quantitative

Sr	Questions	Answers Choice
1	12 is $\frac{3}{4}$ of what number?	A. 20 B. 24 C. 16 D. 8
2	A piece of fabric is cut into three sections so that the first is three times as long as the second and the second is three times as long as the third. What part of the entire piece is the smallest section?	A. $\frac{2}{5}$ B. $\frac{3}{7}$ C. $\frac{2}{3}$ D. $\frac{1}{13}$
3	If $x\%$ of 60 = 48, then $x = ?$	A. 80 B. 60 C. 90 D. 40
4	$(60)^2 = ? \times 7$	A. 3600 B. 3528 C. 0.02 D. 50
5	$x\sqrt{0.09} = 3$; $x = ?$	A. 10 B. $\frac{1}{3}$ C. $\frac{1}{10}$ D. 1
6	What part of an hour elapses between 10:45 a.m. and 11:09 a.m.?	A. $\frac{2}{5}$ B. $\frac{3}{5}$ C. $\frac{11}{12}$ D. 2
7	The circumference of a circle whose diameter is 6 inches is approximately	A. 22 inches B. 19 inches C. 14 inches D. 38 inches E. 16 inches
8	A man spent 10% of his money. After spending 60% of the remainder he has Rs. 72 left. How much had he in the start?	A. 10 B. 100 C. 200 D. 400
9	A clerk filed 73 forms on Monday, 85 forms on Tuesday, 54 on Wednesday, 92 on Thursday and 66 on Friday. What was the average number of forms filed per day?	A. 50 B. 95 C. 84 D. 74
10	A man opens a bookstall with a capital of Rs. 25000. In three months his capital amounts to rupees 27500. What is the increase percent?	A. 1% B. 10% C. 20% D. 7%
11	One half of the employees of Al Karim Co. earn salaries above Rs. 18,000 monthly. One third of the remainder earn salaries between Rs. 15,000 and Rs. 18,000. What part of the staff below Rs. 15,000?	A. $\frac{2}{3}$ B. $\frac{1}{3}$ C. $\frac{2}{5}$ D. $\frac{3}{5}$
12	Mr. Kashif got an average of 50 in 6 tests. What should he get in the next to attain the average of 60?	A. 120 B. 60 C. 100 D. 70
13	If $(x + \frac{1}{x})^2 = 96$ what is the value of $x^2 + \frac{1}{x^2}$?	A. 94 B. 98 C. 100 D. 90
14	$2.08 - (0.5)^2 = ?$	A. -1.20 B. 1.88 C. 1.83 D. 2.16
15	$\frac{1}{2}$ of $44 \div 2.2 = ?$	A. 20 B. 22 C. 44 D. 100

D. 100

16 Find the sum of money, 11% of which is Rs. 1650.

- A. 150
- B. 3300
- C. 25000
- D. 15000

17 $1250 \div 25 \times 0.5 = ?$

- A. 25
- B. 50
- C. 2.5
- D. 100

18 $x^2 = 1681$, $x = ?$

- A. 31
- B. 41
- C. 51
- D. 61

19 When $3x^2 + 5x + 7$ is subtracted from $x^2 + 8x + 3$ the result is?

- A. $5x^2 - 3x + 4$
- B. $3x - 2x^2 - 4$
- C. $x^2 + 8x + 10$
- D. $11x^2 - 3x + 10$

20 $\sqrt{256} \div \sqrt{64} = ?$

- A. $\frac{1}{4}$
- B. $\frac{26}{8}$
- C. 16
- D. 4