

NAT I Arts Quantitative

| Sr | Questions | Answers Choice |
|----|---|--|
| 1 | Find the value of x if $3:b=x:c$. | |
| 2 | If apples cost 3 for 37 cents, find the cost of 1 3/4 dozen apples. | A. 111 cents B. 159 cents C. 259 cents D. 211 cents |
| 3 | Question Image | A. 55 B. 70 C. 110 D. 125 |
| 4 | How many miles are there between two cities if the distance is represented by a 2.4-inch line on a map having a scale of 1 inch to 8 miles? | A. 19.2 B. 12.8 C. 8.5 D. 38 |
| 5 | √169 /196 x 14/√1521 =? | A. 13/42 B. 1/13 C. 42/5 D. 1/42 |
| 6 | Question Image | A. 41 ^O B. 65 ^O C. 115 ^O D. 106 ^O |
| 7 | 35096÷18 =? | A. 318 B132 C. 328 D. 232 |
| 8 | $x\sqrt{0.09} = 3: x = ?$ | A. 10 B. 1/3 C. 1/10 D. 1 |
| 9 | If the redius of a circle is increased by 20% then the area is increased by | A. 44% B. 120% C. 144% D. 40% |
| | | A. b-180 |
| 10 | Question Image | B. b-90 C. 180-a/2 D. 180-a |
| 11 | 2x2y when multiplied with $x^2 + y^2$ gives ? | A. 2x ² y ³ + 2xy ³ B. 2x ⁴ y+ 2x ² y< 5 C. 2xy ² + 2x ² + 2x ² + 2x ² + 2x ² y 5 D. 2xy ³ + 2x ³ + 2x ³ + 2x ³ y |
| 12 | If the area of two circles are in the ratio 169: 196 then ratio of their radii is | A. 13 : 11 B. 10 : 13 C. 14 : 13 D. 13 : 14 |
| 13 | If a train travels 5/6 miles in 1 1/4 minutes, how many miles will it travel in 1 hour? | A. 20 miles B. 50 miles C. 40 miles D. 30 miles |
| 14 | Change 4 4/2 to an improper fraction: | A. 14/3 B. 11/3 C. 24/3 D. 10/3 |
| 15 | $(242 - 17)^2 - (7-5)^2 = ?$ | A. 49000 B. 49200 C. 94200 |

| | | D. 49400 |
|----|---|----------|
| | | A. 4.55 |
| 16 | The average height of a class of 14 boys is 5.3 feet. A new boy admitted to the class, the | B. 5.0 |
| 10 | new average of height now becomes 5.25. What is the height of the new boy? | C. 6.0 |
| | | D. 3.5 |
| | | A. 90 |
| 17 | If a pipe can fill a tank in 2 hours and another pipe can fill the same tank in 40 minutes. how | B. 50 |
| 17 | much time in minutes is needed to fill the tank if both the pipes are working together? | C. 60 |
| | | D. 30 |
| | | A. 1% |
| 40 | A man opens a bookstall with a capital of Rs.25000. In three months his capital amounts to | B. 10% |
| 18 | rupees 27500. What is the increase percent? | C. 20% |
| | ., | D. 7% |
| | | A. 10 |
| 40 | | B. 14 |
| 19 | The value of x^2 + 5x +6 at x=2 is: | C. 18 |
| | | D. 20 |
| | | A. \$250 |
| | A man bought 27 packets of Chilli Milli at \$280 each, 9 packets of Chilli Milli at \$320 each | B. \$300 |
| 20 | and 6 packets of Chilli Milli at \$360 each. Find the average price per packet of Chilli Milli. | C. \$400 |
| | | |