

## NAT II Biological Science Quantitative

Sr	Questions	Answers Choice
1	What part of an hour elapses between 10:45 a.m. and 11:09 a.m.?	A. 2/5 B. 3/5 C. 11/12 D. 2
2	$(60)^2 = ? \times 72$	A. 36 B. 3600 C. 40 D. 50
3	$1.02 - 0.02 + ? = 1.842$	A. 0.222 B. 0.842 C. 2 D. None
4	A man bought 27 packets of Chilli Milli at \$280 each, 9 packets of Chilli Milli at \$320 each and 6 packets of Chilli Milli at \$360 each. Find the average price per packet of Chilli Milli.	A. \$250 B. \$300 C. \$400 D. \$380
5	If $x + 3y = 7$ and $2x + y = 5$ then $x/y$ is?	A. 1/2 B. 1/3 C. 2/5 D. 8/9
6	If 10 tractors are needed to plow a field in 4 hours, how many tractors are needed below to plow the field in 5 hours?	A. 32 B. 4 C. 16 D. 8
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	$72 + 679 + 1439 + 537 + ? = 4036$	A. 1309 B. 1208 C. 2308 D. 2423
9	David receives his allowance on Sunday. He spends 1/4 of his allowance on Monday and 2/3 of the remainder on Tuesday. What part of his allowance is left for the rest of the week?	A. 2/3 B. 4/5 C. 6/7 D. 1/4
10	$1/x = 1/y + 1/z$ then 'x' in terms of 'y' and 'z' is given by?	A. $(y + z) / (y - z)$ B. $yz / (y + z)$ C. $(y + z) / yz$ D. $1/z - 1/y$
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. 2/3 B. 1/3 C. 2/5 D. 3/5
12	The average (arithmetic mean) of $8a + 5$ , $-3a$ , $9$ , $0$ and $7a - 2$ ?	A. $3a + 1$ B. $3a + 3$ C. $4a + 1$ D. $4a + 4$ E. $12a + 12$
13	$? \times 12 = 75\% \text{ of } 336$	A. 48 B. 252 C. 28 D. 21
14	The population of a city increased in two years from 25,000 to 30,000; find the percent increase during the time.	A. 10% B. 20% C. 40% D. 5%
15	The annual decrease in the population of a city was 10% and the present number of inhabitants is 1620. What was the population 2 years hence?	A. 20 B. 400 C. 2000 D. 1620

D. 1000

16 A team played 30 games of which it won. What part of the games played did it loss?

- A.  $\frac{1}{5}$
- B.  $\frac{5}{6}$
- C.  $\frac{6}{5}$
- D. 5

17 A man has Rs. 2000 and spends 18% of it. What money has he left now?

- A. 3600
- B. 820
- C. 1640
- D. 4000

18 A motion was passed by a vote of 5: 3. What part of the votes cast was is favor of the motion?

- A.  $\frac{3}{5}$
- B.  $\frac{5}{8}$
- C.  $\frac{3}{8}$
- D.  $\frac{5}{3}$

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

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

20 Out of the 44 boys in a class 9 are of the age of 10, 15 at the age of 9, and the rest are at the age of 8. Find their average age.

- A. 7.85
- B. 8.75
- C. 12.2
- D. 14.35