

## Section-B

### Numerical Ability

(All correct answers are marked in red colour)

1.  $12.05+0.65+3.95+20.695=?$   
(a) 38.145  
(b) **37.345**  
(c) 36.986  
(d) 37.008
  
2. Find the value of  $3.9562+3.999/4.2345$   
(a) 2.88  
(b) 4.88  
(c) 3.98  
(d) **1.88**
  
3. Fill in the blanks:  
 $12.3\div 6.5 \div 3.5 \times 2.71=$ —.   
(a) 15.63  
(b) 19.71  
(c) **14.57**  
(d) 20.11
  
4. Simplify:  
 $3.97+6.21/2.95 \times 3.73/1.14$   
(a) 9.65  
(b) 10.29  
(c) 12.38  
(d) **11.29**
  
5. Express 6:5 as per cent:  
(a) **120 %**  
(b) 110 %  
(c) 105 %  
(d) 108%
  
6. What will be the percentage of increase in salary Rs. 4, 0000 to Rs, 4,600?  
(a) Rs. 8,520  
(b) **Rs. 8,720**  
(c) Rs. 8,250  
(d) Rs. 8,630
  
7. A boxes of 2 kg apricots costs Rs. 250. What will be the cost of 4 such boxes?  
(a) Rs. 700

- (b) Rs. 550
- (c) Rs. 800
- (d) Rs. 1000

8. Bananas are on sale as 4 for Rs 7. How much will 8 bananas cost?

- (a) Rs. 12
- (b) Rs. 14
- (c) Rs. 50
- (d) Rs. 20

9. Find the value of x for the equation

$$(x+5)^2-6^2=0$$

- (a) -11 and -1
- (b) 11 and 1
- (c) -11 and 1
- (d) 11 and -1

10. If  $x:y:z=5:4$  and  $y:z=9:7$  find  $x:y:z$

- (a) 45:36:28
- (b) 46:36:28
- (c) 45:37:28
- (d) 45:36:29

11. Find the fourth proportional of 3,12,15

- (a) 60
- (b) 61
- (c) 63
- (d) 64

12. What is the area of the sphere whose radius is 4 cm?

- (a)  $30\pi \text{ cm}^2$
- (b)  $32\pi \text{ cm}^2$
- (c)  $15\pi \text{ cm}^2$
- (d)  $16\pi \text{ cm}^2$

13.  $[9(389+99)^2-(389-99)^2]/(389 \times 99)$  is equal to

- (a) 2
- (b) 4
- (c) 6
- (d) 8

14. How many numbers between 11 and 90 are divisible by 7?

- (a) 11
- (b) 12
- (c) 13
- (d) 14

15. The sum of two numbers is twice their difference. If one of the numbers is 10, the other one is?

- (a) 10
- (b) 20
- (c) 30
- (d) 40

16. Find compound interest on Rs. 6250 at 16% per annum for 2 years, compounded annually?

- (a) Rs 8410
- (b) Rs 8409
- (c) Rs 9410
- (d) Rs 9409

17. If  $a=5$  and  $b=3$  find the value of  $a^3+b^3/a^3-b^3$

- (a) 76/49
- (b) 87/49
- (c) 76/56
- (d) 87/32

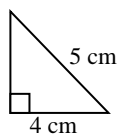
18. The diameter of a wheel is 200 m. How many times the wheel will make complete revolution to cover a distance of 2512 m.

- (a) 2 times
- (b) 3 times
- (c) 4 times
- (d) 5 times

19. If  $a:b=3:4$  and  $c:b=2:5$  then find  $a:c$

- (a) 5:8
- (b) 15:8
- (c) 8:15
- (d) 2:15

20. Find the area of the triangle –



- (a) 15 sq. cm
- (b) 6 sq. cm
- (c) 10 sq. cm
- (d) 8 sq. cm