Chapter 01

Integers

1 Mark Questions

1. Evaluate $\frac{(-18) \div [(-22 + 4)]}{(-16) \div (16)}$

(a) 1 (b) – 1
(c) 2 (d) 0

2. Which pair of numbers does not have a product equal to 40?

(a) {–2, – 20} (b) {–8, – 5}
(c) {–4, 10} (d) {4, 10}

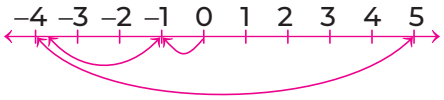
3. Simplify and choose the correct option :
$[32 + 2 \times 17 + (-6)] \div 15$

(a) 12 (b) 4
(c) – 4 (d) 2

4. The temperature of a city is 8°C. Next day the temperature falls by 15°C and the another next day, the temperature rises by 5°C. What is the temperature of the city on the last day?

(a) – 2°C (b) 8°C
(c) – 8°C (d) 7°C

5. Which of the following number sentences best describes the problem shown on the number line?



(a) (– 1) + 4 + (– 5)
(b) (– 2) + (– 3) + 5
(c) (– 1) + (– 3) + 9
(d) (– 2) + (– 5) + 8

6. In a magic square, if each row, column and diagonal have the same sum, the values of *P* and *Q* are respectively.

–6	4	*Q*
P	–3	–2
1	–10	0

(a) – 3, – 6
(b) – 4, – 7
(c) – 4, – 6
(d) None of these

7. The sum of two integers is 116. If one of them is – 79, find the other integers.

(a) 195
(b) – 117
(c) – 195
(d) 117

8. In a test (+ 4) marks are given for every correct answer and (– 1) marks are given for every incorrect answer and 0 for questions not attempted. Ram gets 7 correct and 3 incorrect out of 10 questions he attempted. What is Ram score?

(a) 27
(b) 24
(c) 21
(d) 25

9. A place *P* is 82 m above the Sea level and another place *Q* is 13 m below the Sea level. What is the distance between the two places?

(a) – 95m
(b) 97m
(c) 95m
(d) – 97m

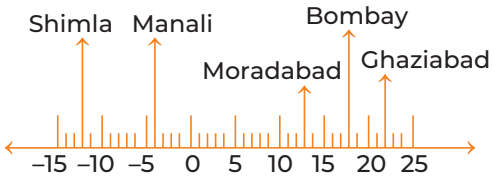
10. Fill the box with correct sign :

39 + (– 35) – (58) ☐ 37 + (– 11) – (+ 26)

(a) =
(b) ≤
(c) ≥
(d) <

2 Marks Questions

11. The following number line shows the temperature is degree celsius (°C) at different places on a particular day. Choose the values of P, Q and R from the table.



A. The difference between the temperature in Bombay and Manali. ...P...

B. The temperature difference between the hottest and the coldest places is ...Q...

C. The sum of two minimum positive temperature is ...R...

P	(i)	31°
Q	(ii)	22°
R	(iii)	34°

P Q R
(a) (i) (ii) (iii)
(c) (iii) (ii) (i)

P Q R
(b) (ii) (iii) (i)
(d) (ii) (i) (iii)

12. An elevator descends into a mine shaft at the rate of 6 m/min. If the descent starts from 10 m above the ground level, how long will it take to reach – 350 m.

(a) 45 min
(b) 60 min
(c) 90 min
(d) 30 min

13. Fill in the blanks with the help of options, given in the box.

(i) Smaller	(ii) Even
(iii) 33	(iv) Multiplication
(v) Greater	(vi) Less
(vii) Zero	(viii) Addition
(ix) – 3	(x) Negative

I. $\frac{38}{19} - \frac{8}{2} + 2 =$ _____

II. If $(-1)^n$ is positive, then n is _____

III. Zero is always _____ than a negative integer.

IV. $(-9) \times$ _____ $= 27$

Codes

	I	II	III	IV
(a)	vii	ii	i	iv
(b)	v	iii	ix	vi
(c)	vii	ii	v	ix
(d)	iii	x	vii	i

14. A certain freezing process requires that room temperature be lowered from 40°C at the rate of 8°C every hour. What will be the room temperature 5 h 30 min after the process begins?

(a) – 5°C
(b) – 4°C
(c) – 10°C
(d) 5°C

15. Taking today as on the number line, if the day before yesterday is 17 January, what is the date on 3 days after tomorrow?

(a) 22 January
(b) 21 January
(c) 23 January
(d) 24 January

Answers

1	(b)	**2**	(c)	**3**	(b)	**4**	(a)	**5**	(c)	**6**	(b)	**7**	(a)	**8**	(d)	**9**	(c)	**10**	(d)
11	(b)	**12**	(b)	**13**	(c)	**14**	(b)	**15**	(c)										