TERM - I EXAM (2026-27)
MATHEMATICS

Class: VII **SET 1(MS)** **Time: 3 hr.**
Max Marks:80

Admission no: **Roll no:**

SECTION A (20 × 1 = 20)

Q.No	Answer
1	c) Both a and b
2	C) 1,01,110
3	c) 1/3
4	c) 1/12
5	b) 3
6	b) 36−24+36
7	a) 0.12
8	b) 6
9	5/3
10	36
11	A=b
12	a) Even
13	a) 17
14	60
15	c) 150°, 25°
16	a) 1/10
17	c) p + q + r
18	b) 1.5
19	A
20	C

SECTION B (5 × 2 = 10)
Q21

a)

(4d−7c+9)+(8c−11+9d)(4d-7c+9)+(8c-11+9d)(4d−7c+9)+(8c−11+9d)

Combine like terms

=4d+9d−7c+8c+9−11

=13d+c−2

Answer = 13d+ c – 2

OR

Perimeter =128 cm

Side =128÷4

=32 cm

Answer = 32 cm

Q22

Parallel Lines

Two lines that never meet even if extended are called **parallel lines**.

Example:
Railway tracks.

Perpendicular Lines

Two lines intersecting at **90°** are called perpendicular lines.

Example:
Corner of a notebook.

Q23

a) 3452001

Indian notation

34,52,001

Number Name

Thirty-four lakh fifty-two thousand one

b)1031042291

Indian notation

1,03,10,42,291

Number Name

One hundred three crore ten lakh forty-two thousand two hundred ninety-one

Q24

a)

=15×18

=270

b)

=11×13

=143

Q25

One possible magic square

9 2 7

4 6 8

5 10 3

Every row, column and diagonal =18

Q26

Represent on number line

a)0.32

b) 1.421

c)9.01

Q27

24+(36−20)

=24+16

=40 coins

OR

Saving per month

20500−2000−5000−1500

=12000

Saving in 6 months

6×12000

=72000

Expression

6(20500−2000−5000−1500)

Q28

nth even number

=2n

nth odd number

=2n−1

1000th even

=2000

1000th odd

=1999

Q29

Construction

1. Draw BC=5 cm
2. With B as centre radius 4 cm draw arc.
3. With C as centre radius 8 cm draw arc.
4. Join A to B and C.
5. Draw perpendicular from B to AC.

Q30

Head

3.2

Thorax

5.5

Abdomen

5.7

Total

3.2+5.5+5.7

=14.4 units

Q31

a)

15000<300000

b)

25 million<2.5 billion

c)

201 crore>20 million

SECTION D (4 ×5 =20)

Q32

a)

6.2,6.5,6.8,7.1,7.4,7.7

b)

14.75,14.25,13.75,13.25,12.75,12.25

c)

2.1,3.3,4.5,5.7,6.9,8.1

d) 7.77,7.87,7.97,8.07,8.17,8.27

e)

0.1,0.3,0.6,1,1.5,2.1,2.8

Q33

I) X=55

Y=145

ii) x=24

y=66

Q34

Construction

AB=7 cm

∠A=45°

∠B=79°

∠C=56°

Steps

1.Draw AB=7 cm.

2.Construct 45° at A.

3.Construct 79° at B.

4. The rays meet at C.

5. Join AC and BC.

Q35

After one day and one night

=u−d

After 10 days

10(u−d)

If d>u

The snail slides down more than it climbs.

Hence it moves downward overall.

SECTION E (3 ×4 =12)

Q36

Virahanka sequence

377

610

987

1597

Previous numbers

233

144

Q37

a)

Equilateral triangle

b)

180°

c)

No.

70°+70°+70°

=210°

Since the sum of the angles of a triangle must be 180°, such a figure cannot form a triangle.

Q38 **Algebraic expression for the total cost:**

6x+4×=6x+80

Answer: ₹(6x + 80)

ii) Identify the variable and the constant:

- **Variable:** x
- **Constant:** 80

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iii) Find the total cost if x=25:

6(25)+80=150+80=230

Answer: ₹230