KENDRIYA VIDYALAYA SANGATHAN,LUCKNOW REGION
SESSION ENDING RE-EXAMINATION
SUBJECT –MATHEMATICS CLASS VII

MARKING SCHEME

TIME: 2 Hrs & 30 min. **Max. Marks :60 marks**

	SECTION A	
S.NO.	**Answers**	**Marks**
1	(b) $4\frac{3}{8}$	**1**
2	(c)3 places	**1**
3	(b) $\frac{3}{4}$	**1**
4	(d) null	**1**
5	(d) integers and q≠ 0	**1**
6	(b) $-\frac{5}{9}$	**1**
7	(b) πr + d	**1**
8	(a) 40 m	**1**
9	(b) –1	**1**
10	(a) –1	**1**
11	(b) 7	**1**
12	(d) H	**1**
13	(d) 4	**1**
14	(c) 2	**1**
15	(c) Cube	**1**
	SECTION B	
16	Let the amount be x $\frac{1}{8}$ of x = 3000 x=3000 × 8 $\frac{1}{3}$ of 3000 × 8 8000 **OR** $1\frac{1}{4} + 6\frac{1}{2}$ $\frac{5}{4} + \frac{13}{2}$ $\frac{5+26}{4}$ $\frac{31}{4}$	$\frac{1}{2}$ ½ ½ ½ **1** **1**
17	x= 35° and y = 145°	1 1
18	2^3=8 and 3^2 =9 $2^3 < 3^2$	½ ½ 1
19	(a –b)+ (2a – b) =3a	1

	$3a - (a + 2b)$ =2a -2b 2(a-b) **OR** 2x + 3y –(3x + y) 2x + 3y – 3x − y) -x + 2y 2y - x	½ ½ 1 ½ ½
20	Length = 4 cm Breadth = 2 cm Height = 2 cm	1 1
	SECTION C	
21	a = $\frac{-4}{3}$ b = $\frac{-2}{3}$, d = $\frac{5}{3}$	3
22	Area of rect. ABCD = 18 × 14 = 252 cm^2 Area of semi – circle = $\pi r^2/2 = \frac{22}{7} \times 7 \times 7 = 77$ cm^2 Area of remaining paper = 252 cm^2 - 77 cm^2 = 175 cm^2 **OR** AC = $\sqrt{144 + 25} = \sqrt{169} = 13$ cm Area of circle = πr^2 =3.14 × 13/2 ×13/2 = $\frac{530.66}{4}$ Area of rect. = 12cm × 5cm = 60 cm^2 Area of shaded region = $\frac{530.66}{4}$ cm^2 – 60 cm^2 = $\frac{290.66}{4}$ = 72.665 cm^2	1 1 1 **1** ½ ½ 1
23	(i)Rectangle (ii)Circle (iii) Rectangle	3
24	Drawing with pencil H , I , O , X **OR** (i)3 (ii)infinite (iii)6	3 3
25	1)(a)500:1 2)4.755 ×10^6 3)Platelets	
	SECTION D	
26	Let ∠ ABP =∠ CBQ = x(Incident angle = Reflected angle) So, x + 46º + x = 180o (Angles on a line) 2x + 46º = 180º x = 134º ∠ ABP = 134º **OR** (i) ∠AOD and ∠BOC (ii) ∠AOB and ∠AOE (iii) ∠EOB and ∠EOD (iv) ∠EOD and ∠COD	½ + ½ ½ + ½ ½ ½ 1 1 1 1 1
27	(i)10m × 5m = 50 m^2 (ii) πr^2 = 3.14 × 2 × 2 = 12.56 m^2 (iii) 50 m^2 - 12.56 m^2 =37.44 m^2 (iv) $2\pi r$ = 2 × 3.14 × 2 = 12.56 m	1 1 1 1
28	(i)Any 3 rational numbers (ii) $\frac{-3}{8}$ - $\frac{7}{11}$	2

	$\frac{-33-56}{88}$ $\frac{-89}{88}$ **OR** (i) $\frac{4}{15} - \frac{7}{12}$ $= \frac{16-35}{60}$ $= \frac{-19}{60}$ (ii) For correct answer	1 1 1 1 1 1
29	(a) – (ii) (b) - (iii) (c) - (iv) (d) - (i)	**1** **1** **1** **1**
30	(i) (x + 10) marbles (ii) x + (x + 10) + 3 = 2x + 13 marbles (iii) Ameena has 18 marbles and Appu has 29 marbles (iv) All three have 76 marbles	1 1 1 1