Summative Assessment-1

Class-6th

Subject-Mathematics

Time allowed- 2 ½ hours | Max. Marks-60

General Instructions

1. All questions are compulsory.
2. The question paper consists of 24 questions divided into four groups A,B,C and D. Group – A contains 6 questions of 1 marks each of them are multiple choice, you have to select one correct answer from four choice given. Group – B contains 6 questions of 2 marks each. Group – C contains 6 questions of 3 marks each. Group – D contains 6 questions of 4 marks each.
3. There is no overall choice but internal choice has been provided in 1 question of 2 marks, 2 questions of 3 marks and 1 question of 4 marks.

Section – A

1. 1 Ton = ……. Kg.
   (a) 1
   (b) 10
   (c) 100
   (d) 1000
2. The predecessor of whole number 1 is:
   (a) 0
   (b) 1
   (c) 2
   (d) None of these
3. The greatest prime number between 1 and 100 is:
   (a) 93
   (b) 95
   (c) 97
   (d) 99

4. A line AB is denoted by:

(a) $\overleftrightarrow{AB}$
(b) $\overrightarrow{AB}$
(c) $\overline{AB}$
(d) $\overline{BA}$

5. The greatest negative integer is:
   (a) 0
   (b) -1
   (c) 1
   (d) Not determinable
6. Which of the following is not a polygon:
   (a) Trapezium
   (b) Circle
   (c) Triangle
   (d) Quadrilateral

Section – B

7. Solve rounding hundreds:
   4325-491
8. Find the product using suitable properties:
   1005×168
9. Write all the prime numbers less than 20.
10. Draw any circle and mark:
    (a) Its centre (b) A segment
11. Write all the integers between -4 and 4 in increasing orders.
12. Draw any triangle and shade its interior.

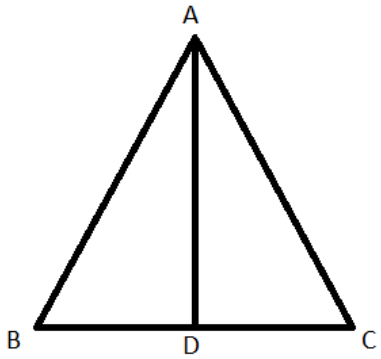
Section – C

13. Place commas correctly and write the numerals:
    (a) Seventy three lakh seventy five thousand three hundred seven.
    (b) Nine crore five lakh forty one.

14. Find the product 738×103 using distributive property.
15. Write the smallest 4- digit number and express it in the form of its prime factors.
16. Draw a rough sketch of a quadrilateral KLMN and state:
    (a) Two pairs of opposite angles.
    (b) Two pairs of adjacent sides.
17. Find:
    (a) 35-(20)
    (b) (-32)-(-40)
18. Write the following roman numerals in ascending order:
    I, C, X, M, V, D, L .

Section – D

19. Find :
    (-7)+(-8)+(-90)
20. In this given figure:
    (a) Identify 3 triangles.
    (b) Write the 7 angles.



21. Find the least no which when divided by 6, 15 and 18 leave remainder 5 in each case.
22. The distance between the school and the house of a student is 1km 875m. Every day he walks both ways. Find the total distance covered by him in 6 days.
23. Total no of tractors in 5 district are as follows:

    District A: 80
    District B: 120
    District C: 100

District D: 40
District E: 60

Prepare a pictograph of these tractors using one symbol ⊗ to represent 20 tractors and answer the following questions:

(a) Which district has the maximum number of tractors
(b) How many symbols represent tractors of district E

24. The number of shirts sold by a shopkeeper on six consecutive days is as follows:

Days/shirts	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THRUSDAY	FRIDAY
No. of shirts sold	65	40	30	50	20	70

Draw a bar graph to represent the above information choosing the scale of your choice.

Summative Assessment – 1 (2013-14)
Class- 6th
Subject- Mathematics
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	Objectives	Knowledge				Understanding				Application				Total
Chapter no.	Name of chapter	MCQ 1M	VSA 2M	SA 3M	LONG 4M	MCQ 1M	VSA 2M	SA 3M	LONG 4M	MCQ 1M	VSA 2M	SA 3M	LONG 4M	60Marks
1	Knowing our numbers	1(1)	2(1)					3(1)				3(1)		09
2	Whole numbers	1(1)					2(1)					3(1)		06
3	Playing with numbers	1(1)	2(1)					3(1)	4(1)				4(1)	14
4	Basic geometrical ideas	1(2)					2(1)	3(1)	4(1)					11
6	Integers	1(1)	2(1)						4(1)			3(1)		10
9	Data handling		2(1)						4(1)				4(1)	10
	Grand total	1(6)	2(4)				2(2)	3(3)	4(4)			3(3)	4(2)	60(24)

Summative Assessment – 1 (2013-14)
Class- 6th
Subject- Mathematics
Marking Scheme of Question Paper

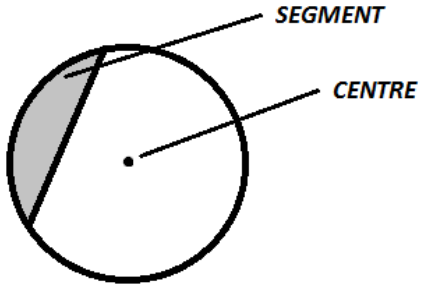
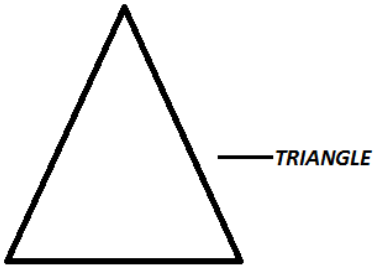
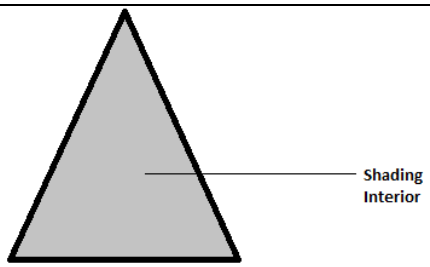
Time Allowed- 2 ½ Hours M.M. – 60

Section-A

Question No.	***Solution***	***Marks***
1.	(d) 1000	1 marks
2.	(a) 0	1 marks
3.	(c) 97	1 marks
4.	(c) $\overline{AB}$	1 marks
5.	(d) Not determinable	1 marks
6.	(b) Circle	1 marks

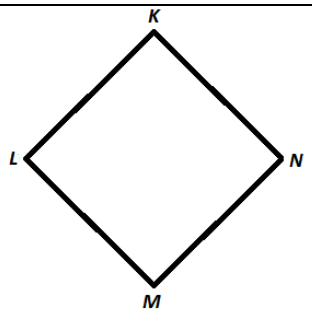
Section-B

Question No.	***Solution***	***Marks***
7.	Rounding - 4000-500	1 marks
	= 3500	1 marks
8.	(1000+5) 168	1 marks
	=1000 × 168 + 5 × 168	½ marks
	=168000 + 8400 = 168840	½ marks

9.	Prime no. less than 20 2, 3, 5, 7, 11, 13, 17 and 19.	2 marks
10.		2 marks
11.	-3 < -2 < -1 < 0 < 1 < 2 < 3	2 marks
12.		1 marks
		1 marks

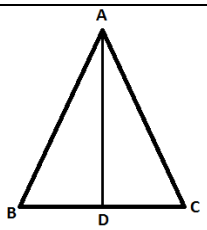
Section-C

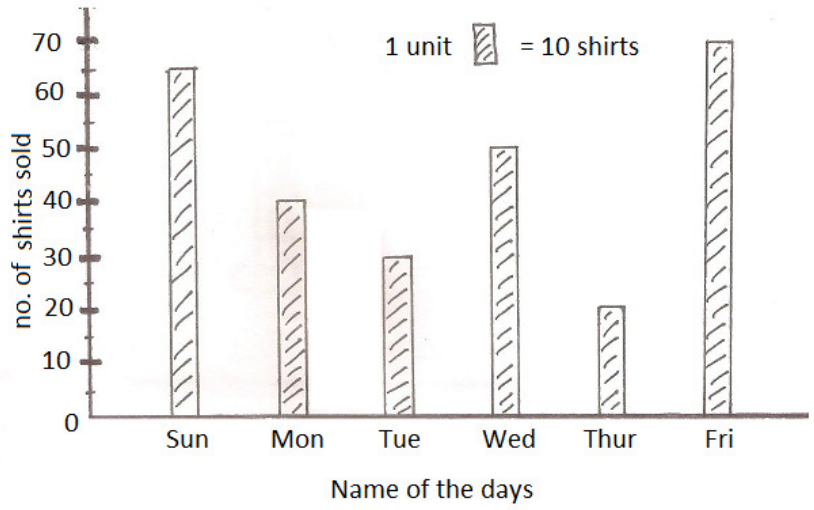
Question No.	***Solution***	***Marks***
13.	(a) 73,75,307	1 ½ marks
	(b) 9,05,00,041	1 ½ marks

14.	738 (100+3) = 738 × 100 + 738 × 3	2 marks
	= 738000 + 2214	½ marks
	= 740214	½ marks
15.	Smallest 4 digit number- 1000	1 marks
	2×2×2×5×5×5	2 marks
16.		1 marks
	(a) Two pairs of opposite angle (i) Angle 'K' and 'M' (ii) Angle 'L' and 'N'	1 marks
	(b) Two pairs of adjacent sides (i) KL and KN (ii) ML and MN	1 marks
17.	(a) 35-(20) = 35-20	1 marks
	= 15	½ marks
	(b) (-32)-(-40) = -32+40	1 marks
	= 8	½ marks
18.	Roman numerals in ascending order I < V < X < L < C < D < M	3 marks

Section-D

Question No.	***Solution***	***Marks***
19.	(-7)+(-8)+(-90) = -7-8-90	2 marks
	= -105	2 marks

20.		
	(a) Triangles ‘ABC’, ‘ABD’ and ‘ACD’.	2 marks
	(b) Angles ‘BAC’, ‘BAD’, ‘ABD’, ‘ACD’, ‘ADC’, ‘ADB’ and ‘DAC’.	2 marks
21.	2 | 6, 15, 18 3 | 3, 15, 9 1, 5, 3	2 marks
	2×3×1×5×3 = 90	1 marks
	90+5 = 95	1 marks
22.	Student travels in one day: 1km 875m × 2 = 2km 1750m =3km 750m	1 marks
	In 6 days: 3km 750m × 6 days = 18km 4500m	2 marks
	= 22km 500m ***Answer***	1 marks
23.	1unit ⊗ = 10 animals District-A ⊗⊗⊗⊗ District-B ⊗⊗⊗⊗⊗⊗ District-C ⊗⊗⊗⊗⊗ District-D ⊗⊗ District-E ⊗⊗⊗	2 marks
	(a) District-B	1 marks
	(b) 3	1 marks

24.		
	Marks distributed on bar graph: (a) Drawing line and naming the day and number of shirts sold.	1 marks
	(b) Showing measurement of unit.	1 marks
	(c) Drawing bars.	2 marks