



Time: 1 hr 30 min.

M.M. : 30

General Instructions:-

I. All questions are compulsory.

Q.No.	Questions	Marks
	Tick the correct option.	
1	The successor of 18,48,759 is a) 18,48,750 b) 19,48,760 c) 18,48,760 d) 18,,49,760	1
2	100 millions=_____Crores a) 100 b) 1 c) 10 d) 1000	1
3	The sum of place values of 4 and 5 in the number 32,48,593 is a) 35,000 b) 39,500 c) 45,000 d) 40,500	1
4	729 X _____=72900 a) 100 b) 1000 c) 1 d) 10	1
5	Assertion: The predecessor of the smallest 7-digit number is 9,99,999. Reason : Predecessor means 1 more of the number. (a) Both A and R are True (b) Both A and R are False (c) A is True but R is false. (d) R is true but A is false.	1
6	Arrange in descending order 7,89,596 ; 18,709 ; 5,18,95,432 ; 65,34,810	2
7	Subtract 5,76,123 from 37,85,904	2
8	Multiply 7085 X 396	2
9	Form the greatest 7-digit number using the digits 3,4,2,0,9,8 and 1. Write the number name in International system of numeration.	2
10	Divide and find quotient and remainder $81643 \div 15$	2
11	Write the period, place and place value of underlined digit <u>7</u> 2,98,31,605	3
12	Write the numerals and put commas according to periods a) Seven million six hundred twenty nine thousand three hundred nineteen. b) Eighty four crore sixty five lakh fifty three thousand four hundred three.	3
13	A train travels 2,140 km in one day. How much distance will travel in 153 days?	3
14	A factory produced 4,25,324 bulbs in January, 2,10,985 bulbs in February and 3,35,276 bulbs in March. Find the total number of bulbs produced in these three months.	3
15	Write the number name according to commas between periods: a) 7,52,38,903 b) 438,705,296	3



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General Instructions:-

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Q.No.	Questions	Marks
	Tick the correct option.	
1	The predecessor of 78,59,900 is a) 78,59,901 b) 68,59,900 c) 78,59,899 d) 78,49,899	1
2	1 lakh = _____ thousands a) 100 b) 10 c) 1 d) 1000	1
3	The difference between place values of 4 and 5 in the number 32,48,593 is a) 35,000 b) 39,500 c) 45,000 d) 40,500	1
4	4,219 X _____ = 42,19,000 a) 1,000 b) 100 c) 1 d) 10	1
5	Assertion: The successor of the greatest 6-digit number is 1,00,00,000 Reason : Successor means 1 more of the number. (a) Both A and R are True (b) Both A and R are False (c) A is True but R is false. (d) R is true but A is false.	1
6	Arrange in ascending order 7,89,596 ; 18,709 ; 5,18,95,432 ; 65,34,810	2
7	Arrange and add : 7,80,54,321 ; 34,59,905 ; 23,560	2
8	Multiply 4519 X 706	2
9	Form the smallest 8-digit number using the digits 2,3,6,8,5,9,0 and 7. Write the number name of the numerals in Indian system.	2
10	Divide and find quotient and remainder $27549 \div 16$	2
11	Write the period, place and place value of underlined digit <u>8</u> 43,712,905	3
12	Write the number name by looking commas between the periods a) 7,089,325 b) 68,57,19,003	3
13	There are 850 mangoes in a box. How many mangoes are there in 375 such boxes.	3
14	The population of a town was 67,45,986. Out of these 35,67,108 were males, find the number of females in the town.	3
15	Write the numerals and put commas according to periods. a) Forty seven crores ninety three lakh twenty eight thousand five hundred one. b) Twenty nine million two hundred thirty six thousand seventy five.	3

Class - VI
Subject - Mathematics
Set - A

Marking Scheme / Hints to solutions

Note Any other answers not given here in but given by candidates be suitable awarded.

Q.No	Value Points / Key Points	Marks obtained to each key point	Total Marks
Q1.	XCIX	1	1
2.	13,17	1	1
3.	1,00,006	1	1
4.	63428	1	1
5.	Both A and R are true and R is the correct explanation of A.	1	1
Q6.	$\begin{array}{r} 42669 \\ + 1 \\ \hline 42670 \\ + 1 \\ \hline 42671 \end{array}$	$42,670 ; 42,671$ Ans	2
7.	$\begin{aligned} &467 + 274 + 533 + 736 \\ &= (467 + 533) + (274 + 736) \\ &= 1000 + 1010 \\ &= 2010 \quad \text{Ans} \end{aligned}$	$\frac{1}{2}$ $\frac{1}{2} + \frac{1}{2}$ $\frac{1}{2}$	2
8.	3,648 is rounded off to = 4,000 8,292 is rounded off to = 8,000 Estimated value = 4,000 + 8,000 = 12,000	$\frac{1}{2}$ $\frac{1}{2}$ 1	2

9.

$$\begin{array}{r}
 \text{Place value of 5} = 5,00,000 \\
 \text{Face value of 5} = 5 \\
 \text{Difference} = 4,99,995
 \end{array}$$

 $\frac{1}{2}$ $\frac{1}{2}$ 2

1

10.

$$\begin{array}{r}
 \text{Cost of Package} = ₹ 1,87,450 \\
 \text{Discount} = ₹ 48,675 \\
 \text{Cost of package after discount} = ₹ 1,38,775
 \end{array}$$

 $\frac{1}{2}$

1 2

$$₹ 1,38,775 \text{ Ans}$$

 $\frac{1}{2}$

11.

$$\text{Sum of digits} = 5+7+3+5+9+8+2 = 39$$

1

$$3 \overline{)39} 13$$

$$4 \overline{)39} 4$$

$$\underline{3}$$

$$\underline{36}$$

$$9$$

$$3$$

$$9$$

$$0$$

3

39 is divisible by 3 but not by 9

 $\frac{1}{2}$

So 5735982 is divisible by 3 but not by 9.

 $\frac{1}{2}$

12.

$$\begin{aligned}
 &463 \times 105 \\
 &= 463 \times (100 + 5) \\
 &= 463 \times 100 + 463 \times 5 \\
 &= 46300 + 2315 \\
 &= 48615
 \end{aligned}$$

 $\frac{1}{2}$ $\frac{1}{2} + \frac{1}{2}$ 3 $\frac{1}{2} + \frac{1}{2}$ $\frac{1}{2}$

13.

$$54 - [38 - \{56 \div 8 + (9 + 7 - 3)\}]$$

1

$$= 54 - [38 - \{56 \div 8 + (16 - 3)\}]$$

 $\frac{1}{2}$

$$= 54 - [38 - \{56 \div 8 + 13\}]$$

 $\frac{1}{2}$

3

$$= 54 - [38 - \{7 + 13\}]$$

 $\frac{1}{2}$

$$= 54 - [38 - 20]$$

 $\frac{1}{2}$

$$= 54 - 18$$

 $\frac{1}{2}$ 

$$= 36 \text{ Ans}$$

 $\frac{1}{2}$

14

$$\begin{array}{r}
 \text{E} \quad \text{E} \quad \text{E} \\
 3 \quad 6 \quad 2 \quad 4 \quad 5 \quad 2 \\
 \downarrow \quad \downarrow \quad \downarrow \\
 0 \quad 0 \quad 0
 \end{array}$$

Y₂Sum of digits at odd places = $2 + 4 + 6 = 12$ Y₂

3

Sum of digits at even places = $5 + 2 + 3 = 10$ Y₂Difference = $12 - 10 = 2$ Y₂

2 is not divisible by 11

Y₂

So 362452 is not divisible by 11.

Y₂

15

$$\begin{array}{r}
 30 \overline{) 2000} \quad 66 \\
 \underline{180} \\
 200 \\
 \underline{180} \\
 20
 \end{array}$$

1

3

1

That least number is 20 Ans 1

Class VI
Subject - Mathematics
Set - B

Marking Scheme / Hints to Solutions

Note: Any other answer not given here in but given by candidate be suitable awarded.

Q. No	Value Points / Key Points	Marks obtained to each key point	Total Marks
1.	$1 \times 1 \times$	1	1
2.	(11, 13)	1	1
3)	30,005	1	1
4)	45605	1	1
5.	A is false but R is true.	1	1
6.	7643 is rounded off to = 8000 5276 is rounded off to = 5000 Estimated value = 8000 - 5000 = 3000 Ans	y_2 y_2 1	2
7.	$673 + 742 + 327 + 258$ $= (673 + 327) + (742 + 258)$ $= 1000 + 1000$ $= 2000$ Ans	y_2 $y_2 + y_2$ y_2	2
8.	$76,099$ $+ 1$ $76,100$ $+ 1$ $76,101$	Ans 76,100 ; 76,101 1 1	2

9.	Place value of 6 = 6,00,000	γ_2	
	face value of 6 = 6	γ_2	2
	Product = 36,00,000	Ans	1

10.	$\begin{array}{r} 35 \overline{) 3000} \quad (85 \\ \underline{280} \\ 200 \\ \underline{175} \\ 25 \end{array}$	That least number is 25	Ans	γ_2	2
				γ_2	

11.	$\begin{array}{ccccccc} & \text{E} & & \text{E} & & \text{E} & \\ 7 & 3 & 5 & 9 & 8 & 2 & 1 \\ \hline & 0 & & 0 & & 0 & & 0 \end{array}$		γ_2	
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Sum of digits at odd Places = 1 + 8 + 5 + 7 = 21	γ_2	
Sum of digits at even places = 2 + 9 + 3 = 14	γ_2	3
Difference = 21 - 14 = 7	γ_2	
7 is not divisible by 11	γ_2	
So 7359821 is not divisible by 11.	γ_2	

12.	$\begin{aligned} 264 \times 98 \\ = 264 \times (100 - 2) \\ = 264 \times 100 - 264 \times 2 \\ = 26400 - 528 \\ = 25872 \quad \text{Ans} \end{aligned}$	γ_2	$\gamma_2 + \gamma_2$	3
		$\gamma_2 + \gamma_2$	γ_2	

13.	$\begin{aligned} 85 - [48 - \{54 \div 6 + (7 + 6 - 3)\}] \\ = 85 - [48 - \{54 \div 6 + (13 - 3)\}] \\ = 85 - [48 - \{54 \div 6 + 10\}] \\ = 85 - [48 - \{9 + 10\}] \\ = 85 - [48 - 19] \\ = 85 - 29 \\ = 56 \quad \text{Ans} \end{aligned}$	γ_2	γ_2	γ_2	γ_2
		γ_2	γ_2	γ_2	

Q14 Sum of digits = $7+6+2+3+5+4 = 27$

$$\begin{array}{r} 3 \overline{) 27} \quad (9 \\ \underline{27} \\ 0 \end{array}$$

$$\begin{array}{r} 9 \overline{) 27} \quad (3 \\ \underline{27} \\ 0 \end{array}$$

$$Y_2 + Y_2$$

3

27 is divisible by 3 and 9.

$$Y_2$$

So 762354 is divisible by 3 and 9.

$$Y_2$$

15. If cost of 1 dress = ₹ 525.50

$$Y_2$$

Then cost of 234 dresses = 525.50×234

$$525.50$$

$$\times 234$$

$$210200$$

$$1576500$$

$$10510000$$

$$\hline 122967.00$$

3

2

₹ 122967.00 Ans Y_2