

NAME _____
CLASS & SEC _____
ROLL NO. _____
TIME: 1 Hour

BIRLA VIDYA NIKETAN
I PERIODICAL TEST
SUBJECT- MATHEMATICS
CLASS V

MM:20

INSTRUCTIONS

- All the questions are compulsory.
- Read the questions carefully before answering and write neatly.
- Show working, calculations and write statements wherever necessary.
- Use a dark sharpened pencil for writing the answers.

1. Circle the correct option.

(2)

a. In the number 5,87,60,941 the digit 7 stands for:

(0.5x4)

Rough work

- i) ☒ 7 x 1,00,000 ii) 7 x 1,000 iii) 7 x 100 iv) 7 x 10,000

b. What is the sum of CMLVI and XLIV? (956 + 44)

- i) ☒ 1000 ii) 1100 iii) 1124 iv) 1134

c. How many five thousands are there in one lakh?

- i) 30 ii) 50 iii) ☒ 20 iv) 40

d. What is the difference between the place values of two 7's in 4,70,85,790 is

- i) ☒ 69,99,300 ii) 68,88,300 iii) 88,88,300 iv) 88,68,300

2. Mental Maths

(2)

a) The difference between the largest 6-digit number and smallest 5-digit number is $999,999 - 10,000 = 989,999$ (0.5x4)

b) 36 more than the product of 9 and 134 is 1242

c) 67,432 rounded off to the nearest 1,000 is 67,000

d) $45,687 \times 67,854 \times 0 \times 657 = 0$

$$\begin{array}{r} 134 \\ \times 9 \\ \hline 1206 \end{array} \quad \begin{array}{r} 1206 \\ + 36 \\ \hline 1242 \end{array}$$

3. Do as directed.

(2)

1. Solve: $5,54,82,564 - 11,88,753 + 3,65,214$

$$\begin{array}{r} 55482564 \\ - 1188753 \\ \hline \end{array}$$

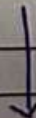
$$54293811$$



1 mark

$$\begin{array}{r} 54293811 \\ + 365214 \\ \hline \end{array}$$

$$54659025$$



1 mark

2. Find the product (1.5 marks)

(1.5 marks)
↑

(3)

a) 8145×231

$$\begin{array}{r}
 \textcircled{1} \quad \textcircled{1} \\
 8145 \\
 \times 231 \\
 \hline
 \textcircled{2} 8145 \\
 24435 \times \\
 + 16290 \times \times \\
 \hline
 18,81,495
 \end{array}$$

1 mark
0.5 mark

b) $40 \times 14 \times 250$ (use shortcut method to solve)

$$\begin{aligned}
 14 \times (40 \times 250) &\rightarrow (0.5) \\
 14 \times 10,000 &\rightarrow (0.5) \\
 140,000 &\rightarrow (0.5)
 \end{aligned}$$

4. Story Sums

(2x2.5)

a) A school is organizing a trip to the zoo. There are 15 buses going on the trip and each bus can carry 48 students. Each student needs to pay ₹520 for the entry ticket. What is the total amount collected for the tickets?

(0.5 mark for statements)

No. of buses going for the trip = 15

No. of students in each bus = 48

Total no. of students = $48 \times 15 \Rightarrow 720$ students. \rightarrow (1 mark)

Amount needs to be paid by each student = ₹520

Total amount collected for the trip = 720×520

Total amount collected = ₹3,74,400 (1) marks.

$$\begin{array}{r}
 48 \\
 \times 15 \\
 \hline
 720 \\
 720 \\
 \times 520 \\
 \hline
 3,74,400
 \end{array}$$

b) In a godown there are 8,35,650 bags of food grains. If there are 2,65,435 bags of rice and 1,70,873 bags of wheat, find the number of bags of other grains.

(0.5) statements.

Total no. of bags of food grains = 8,35,650.

No. of bags of rice = 2,65,435

No. of bags of wheat = 1,70,873

Total

4,36,308

No. of bags of other grains = $8,35,650 - 4,36,308$

= 3,99,342 bags Ans

1 mark.

6. Case study

(4)

Anita was given the digits 0, 7, 3, 5, 8 and 9. She was asked to form the smallest 7-digit number by repeating one of the digit. Rama was given the same digits and was asked to form the greatest 7-digit number by repeating one of the digit. Based on the given information, answer the following questions:

(1 mark each)

- a) What is the number formed by Anita? 30,05,789
- b) What would be the largest 9-digit number that can be formed using these digits (repetition allowed)

99,99,87,530

- c) Write the expanded form of the number formed by Anita.

30,00,000 + 0 + 0 + 5000 + 700 + 80 + 9

- d) Write the number name of the number formed by Rama in International System of Numeration. 9,987,530

Nine million nine hundred eighty seven thousand five hundred thirty.

(1)

7. Complete the pattern given below.

- a) $A \rightarrow C \rightarrow F \rightarrow J \rightarrow \boxed{?} \rightarrow O$

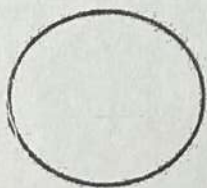
(0.5 X 2) marks

- b) 10AB, 20BC, 30CD, 40DE, 50EF

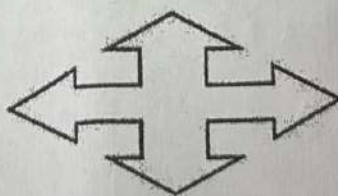
8. How many lines of symmetry do the following figures have?

(1)

(0.5 X 2) marks



Infinitely many



2

(Pg. 3)