Devi Balika Vidyalaya – Colombo 8

First Term Evaluation

Mathematics
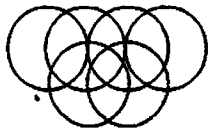
Grade 6

Time 1 ½ hours
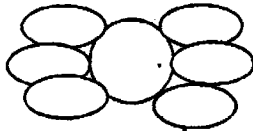
Part - I

- Answer all questions.
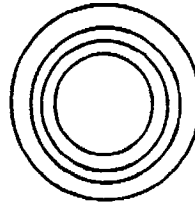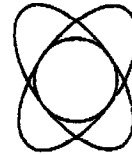
1. Select patterns including circles only.

| a | b | c | d |

2. A musical programme was telecaste from 11.30 a.m. to 1.45 p.m. Write the starting time and the ending time according to the international standard method.

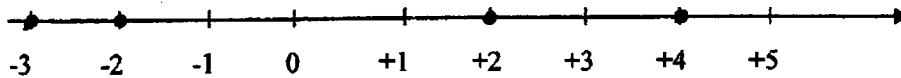   a. starting time -

    b. ending time   -

3. Represent +2, -3 and 0 on a number line.

4. What is the maximum value that can be represented by a digit in the hundreds place?

5. Fill in the blank.

    $2448 + \ldots\ldots\ldots = 3580$

6. Fill in the blanks considering the integers marked on the number line.

    -3   -2   -1   0   +1   +2   +3   +4   +5

    a. $-2 > \ldots\ldots$

    b. $2 < \ldots\ldots$

7. Write the number name of 1 230 040 475

8. Add.

Hours	Minutes
10	47
+ 05	13

9. Fill in the blanks.

    a. $2500 \times 10 = \ldots\ldots\ldots$

    b. $77000 \div \ldots\ldots = 770$

13

10. Estimate the volume of water in the container B,
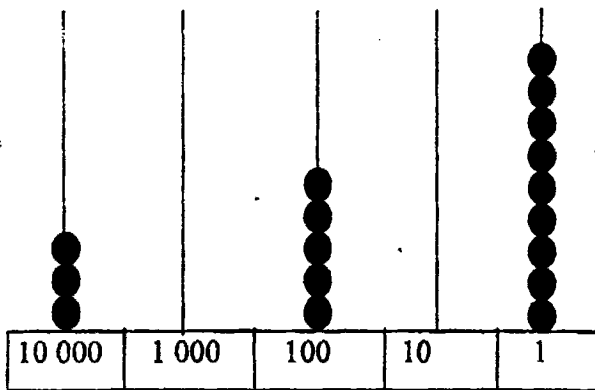   if the volume of water in the container A is 750 ml.

11. Write your date of birth in the standard form.

12. Write following time in hours and minutes.
    a. 132 minutes   = ... hours .... minutes

13. What is the number represented on the given abacus?

| 10 000 | 1 000 | 100 | 10 | 1 |

14. Write the smallest number that can be formed by using each of 5, 8, 9 and 7 only once. What is the value represented by 5 in that number?
    a. smallest number   =
    b. value represented by 5   =

15. Simplify.
    12 x 14 x 100

16. Write all integers between -5 and +2.

17. An athlete started 1000m running event at 07:48:02. He finished the event at 08:15:42. How long he took to finish the event?

18. The value of the marks that Vishmi received for Mathematics at the first term test, when rounded off to the nearest multiple of ten was 90.What are the highest and the lowest values that the actual marks which Vishmi received can take?
    a. highest value =
    b. lowest value =

19. The time that Hasitha took to finish an assessment was 89 minutes. Sahan finished the assessment within 1 hour and 25 minutes. Who finished the assessment first? How many minutes earlier he finished the task than the other student?

20. Fill in the blanks using appropriate words.
    The value of any negative integer is .... (greater / less) than any positive integer and zero is .... (greater / less) than any negative integer.

(2 x 20 = 40 marks)

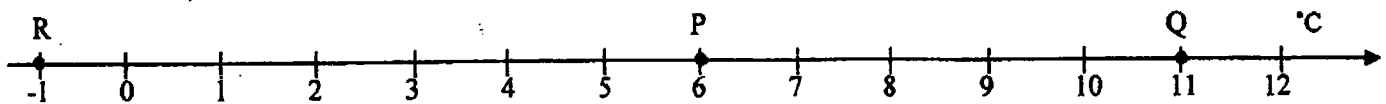## Part II

1.

é. The first part of an English movie is shown for 1 hour and 25 minutes in a film hall. The 15 minutes interval starts at 11.50 a.m. The second part of the movie is shown for 1 hour and 28 minutes.

     i.   At what time the movie starts?   (3 marks)

     ii.   Find the time the interval ends.   (2 marks).

     iii.   Find the time the movie ends.   (3 marks)

     iv.   Find the time duration of the movie, if it's is shown without the interval.   (4 marks)

     v.   Find the time the movie ends, if it is shown without the interval.   (3 marks)

2.   a. The temperatures of the three cities P, Q and R on a certain day are marked on the given number line in Celsius degrees. (°C)

     i.   Write the temperatures of the three cities separately.

         a. P   =
         b. Q   =
         c. R   =   (1 x 3 marks)

     ii.   What is the city with the highest temperature?   (1 mark)

     iii.   Write the city with the lowest temperature?   (1 mark)

     iv.   Write by how many units the temperature of the city P is less than that of Q.   (2 marks)

     v.   What are the two cities with the highest difference of temperature?   (2 marks)

   b.   . Fill in the blanks by selecting suitable terms from the brackets.

     i.   5 < ......   (-100, 10, +5)

     ii.   +2 2   (>, <, =)

     iii.   ..... > -20   (-17, -25, -21)   (2 x 3 marks)

2. i. Write " Twenty three billion six million two hundred fifty thousand seven hundred seventy eight" in standard form. (3 marks)

ii. What is the digit in the thousands place? (1 mark)

iii. Write the value represented by 6 in that number. (1 mark)

iv. Write 2 instances where large numbers are used. (2 marks)

b. Round-off following numbers to the nearest 10.

    i. 43

    ii. 295

(2 x 2 marks)

c. The amount of money Sanduni has, when rounded off to the nearest 10 is Rs. 190. The actual amount of money she has is divisible by 4 without a remainder. What are the actual values that the amount of money she has can take? (4 marks)

04) a. The price of a pack of books containing 5 exercise books in "Pahana" book shop is Rs. 200. The price of a pack of books containing 4 exercise books of the same type in "Nenasa" book shop is Rs. 140.
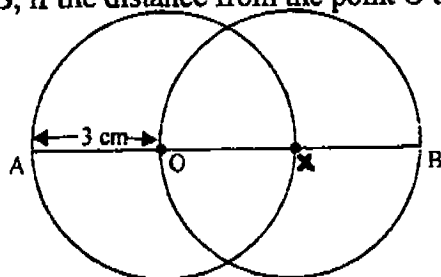
    i. Find the price of one book in the two book shops separately. (4 marks)

    ii. Buying a book from which book shop is more profitable? (1 mark)

    iii. Find the difference of the amounts of money two persons spend to buy 5 such packs of books from Nenasa book shop and Pahana book shop. (5 marks)

b. There are 5 classes in each grade in a certain school. The numbers of girls and boys in every class room are 25 and 15 respectively.

    i. Find the total number of students in a grade. (2 marks)

    ii. Find the total number of students in the school, if there are classes from Grade 6 to Grade 11. (3 marks)

05) a. i. Write the largest number that can be formed by 4 digits. (2 marks)

    ii. Illustrate that number on an abacus. (3 marks)

    iii. Write the values represented by each digit in that number separately. (1 x 4 marks)

    iv. What is the relationship among the values represented by each digit in the above number? (3 marks)

b. The following figure shows two circles in the same size. O and X are their centres. Find the length of the line AB, if the distance from the point O to A is 3 cm.

(3 marks)