

DELHI PUBLIC SCHOOL, GURGAON
MONDAY TEST IV, TERM II (2019 – 20)
SUBJECT : MATHEMATICS (16.12.2019)
CLASS : VI
SET B

Duration : 1 hr 20 mins.

M.M. : 40

No. of printed pages : 2

General Instructions :

- (i) All the questions are compulsory.
- (ii) Attempt the paper neatly.
- (iii) There is no overall choice. However internal choice has been given in one question of 1 mark, one question of 2 marks, two questions of 3 marks each and one question of 4 marks.
- (iv) Draw a column on the right side of the answer sheet for rough work.

SECTION A

(1 x 10 = 10)

I. Choose the correct option :

1. The perimeter of an equilateral triangle with side of length l units is given by
a) $l + 3$ b) $3l$ c) $3(l + 3)$ d) $3l + 1$
2. Which of the following is the equivalent ratio of $10 : 4$?
a) $5 : 2$ b) $8 : 2$ c) $20 : 12$ d) $2 : 2$
3. 2 added to $7m$ is written as
a) $7m + 2$ b) $7 + 2m$ c) $7(m + 2)$ d) $2(7 + m)$
4. The ratio of the least odd composite number to the least prime number is
a) $2 : 1$ b) $3 : 2$ c) $9 : 2$ d) $4 : 1$
5. The coefficient of y in $7y + 2 = 3$ is
a) 2 b) 7 c) y d) 3

II. Fill in the blanks :

6. The number of toffees each friend got if y toffees were divided equally among 5 friends is _____.
7. The ratio of the number of months to the number of days in a non-leap year is _____.
8. If $5q = 25$, the value of q is _____.

III. Answer the following :

9. Write the simplest form of the ratio $275 : 25$.
10. If there are 20 balls in a box, express the total number of balls in terms of the number of boxes. (Use b for the number of boxes.)

OR

Laksh bought some chocolates. He gave m chocolates to his sister; still 4 chocolates were left with him. How many chocolates did he buy?

