

# CRPF PUBLIC SCHOOL, ROHINI

## SECOND Intra School Mathematics Olympiad 2011

### CLASS V

Max. Marks: 50

Max. Time: 1 hour 30 minutes

#### General Instructions:

1. Q1-15 (Section A) each MCQ carries 2 mark. Each question has five choices (A, B, C, D or E). Select the correct answer to each question and darken the corresponding circle in the Answer Sheet provided to you. **THERE IS NO NEGATIVE MARKING.** Marking of more than one circle for an answer shall be awarded zero mark.
  2. Q16-20 (Section B) each question carries 4 mark. You are to give the complete solution. Marking will be done stepwise.
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#### SECTION A

Q1. 34, 83,935 rounded off to nearest lakh is

- a. 34,00,000    b. 35,00,000    c. 34,80,000    d. 34,83,000    e. 30,00,000

Q2. The largest 6-digit number which can be formed using digits 3,5,0,9 (by repeating digits) is

- a. 953000    b. 995530    c. 999530    d. 905553    e. 999553

Q3. The area of a rectangular field is 7200 sq. m. If the length is 180 m, then its breadth will be

- a. 40m    b. 400m    c. 540m    d. 600m.    e. None of these

Q4. Take away 19.42 from 28

- a. 19    b. 18.42    c. 9.42    d. 8.58    e. 9

Q5. H.C.F. of 48 and 36 is

- a. 6    b. 4    c. 12    d. 18    e. 1  
b.

Q6. A cuboid is 13m long, 12m wide and 4m high. What is its volume?

- a. 624 cu.m.    b. 29 cu.m.    c. 400 cu.m.    d. 524 cu.m.    e. 500 cu.m.

Q7. What should be added to the sum of  $\frac{1}{4}$  and  $1\frac{1}{2}$  to make 3?

- a.  $\frac{1}{2}$     b.  $1\frac{1}{2}$     c.  $\frac{3}{4}$     d.  $1\frac{1}{4}$     e.  $\frac{1}{4}$

Q8. Observe the pattern carefully. What will be the sum of first 15 odd numbers?

$$1 = 1$$

$$1 + 3 = 4$$

$$1 + 3 + 5 = 9$$

$$1 + 3 + 5 + 7 = 16$$

$$1 + 3 + 5 + 7 + 9 = 25$$

- a. 230      b. 250      c. 225      d. 75      e. 150

Q9. In a right angled  $\Delta ABC$ , if angle  $C = 30^\circ$  then find the measure of other two angles

- a.  $90^\circ, 60^\circ$       b.  $45^\circ, 55^\circ$       c.  $35^\circ, 105^\circ$       d.  $120^\circ, 30^\circ$       e.  $40^\circ, 90^\circ$

Q10.  $XC + XXVII + LV = ?$

- a. CLXXII      b. CLVII      c. LXXII      d. CXXIII      e. CCVVII

Q11. If A stands for 5, B stands for 25 and C stands for 20, what is  $A \times C \div B$ ?

- a. 100      b. 2      c. 4      d. 40      e. 5

Q12. What is the difference between the place values of 9 in 39, 76,987?

- a. 8, 90,000      b. 8, 99,100      c. 1, 00,000      d. 90,000      e. None of these

Q13. When the clock shows 9:15 a.m., what type of angle do the hands of clock make?

- a. Reflex angle      b. Acute angle      c. Obtuse angle      d. Right angle      e. Straight angle

Q14. \_\_\_\_\_ millions make ten crores.

- a. 10      b. 1000      c. 20      d. 50      e. 100

Q15. What should be added to from 6925 to make the smallest 5-digit number?

- a. 3,000      b. 3,075      c. 93,074      d. 4075      e. None of these

### SECTION B

Q16. Charu's father wants to fence his garden with length 50m and width 80m. How much wire would he require for fencing?

Q17. Neha saw a doll in a shop. The cost of the doll was Rs.75.35. She wanted to buy it but she had Rs. 4.75 less than the cost of the doll. How much money did Neha have?

Q18. A family consumes  $2\frac{1}{2}$  litres of milk every day. How many litres of milk will be used in the month of April?

Q19. If cost price of a dining table is Rs.18000 and there is a profit of Rs.9500, what is its selling price?

Q20. Ravi of Class III collected data of students of his class coming from different places and presented it as –

Distance from home to school	2km	3km	4km	5km	6km
No. of students	14	10	4	5	9

- How many students come from distance of 4km or more? \_\_\_\_\_
- What is the total number of students? \_\_\_\_\_
- From which distance maximum number of students are coming? \_\_\_\_\_
- From which distance 10 children come? \_\_\_\_\_

**Note:** The solution key to this paper will be available on school's blog [www.crfpsrohini.blogspot.com](http://www.crfpsrohini.blogspot.com) today after 6pm. The result will be declared on 22<sup>nd</sup> December (Date of birth of Great Indian Mathematician Ramanujan) and will be available on school's blog.