



ST. XAVIER'S SENIOR SECONDARY SCHOOL, JAIPUR

Half Yearly (SA-1) Examination : 2015-2016

24-9-2015	Std. VI	Mathematics	Time : 2 hrs.	Marks : 60
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- Instructions :
- (1) Read the questions carefully.
  - (2) All the questions are compulsory.
  - (3) Show the working on the answer sheet itself.

### SECTION A

(2 \* 10 = 20)

1. How many degrees are there in :- (One sixth of a Right Angle).
2. Arrange the integers in the Ascending Order :-  
 $-4, -93, 0, 5, -35, -15, 7$
3. Find the prime factors of 1197.
4. Solve and write the property used :-
  - (a)  $23 + 21 = 21 + 23$
  - (b)  $(2+3)+4 = 2+(3+4)$
5. Write the largest and smallest four digit number having all different digits ?
6. Round off 731 and 164 to nearest hundreds and find the product ?
7. Is the number 588 divisible by 15 ? If yes, then show the test of divisibility.?
8. Find the value and name the property used?  
 $5239 \times 188 - 88 \times 5239$
9. Define and the Draw a Reflex Angle AOB ?
- 10 Find the value of the following :-  $10 + |-2| - |+3|$

### SECTION B

(3 \* 10 = 30)

11. Add the following integers and mark the answer on the number line :-  
 $(-3) + (-2) + 7$
12. Represent the number 36 as a square, triangle and rectangle using dots. (use pencil)
13. Find the LCM and HCF of 231 and 273.
14. Insert  $<, >, =$  in the blank :-
  - (i) LXXIV \_\_\_\_\_ 84
  - (ii) 98 \_\_\_\_\_ XCVII
  - (iii) D \_\_\_\_\_ 500
15. Simplify :-  $1059 + (-89) + 29 + (-49)$
16. Identify the type of the triangle :-
  - (i) 5.5 cms, 4.0 cms and 5.5 cms.
  - (ii)  $45^\circ, 75^\circ$  and  $60^\circ$
  - (iii)  $120^\circ, 25^\circ$  and  $35^\circ$
17. Rewrite the following number in figures and words in the Indian Place Value System :- Four Million Three Hundred Fourteen Thousand and Forty Five.

18. Write the statements and state True/False :- (If false correct it)
- In a scalene triangle all angles are of same measures .
  - If 2 lines are perpendicular to each other the angles between them is a right angle.
  - A triangle cannot have two obtuse angles.
19. Three bells toll at intervals of 15, 18, 24 minutes. If they begin to toll together at 6 am at what time will they toll together?
20. Divide 46570 by 321 and check your result by division algorithm/ formula.

**SECTION C****(5 \* 02 = 10)**

21. Simplify :-  $\{(-15) - (-18)\} + \{(-12) - 40\} + \{13 - 50\}$
22. Answer the following :- (Draw the clock in each case)
- The fraction of revolution made when the hour hand turns from 9 to 3.
  - The number of right angles made when the hour hand goes from 5 to 8.
  - The number of degrees the hour hand makes in a full revolution.
  - The angle made by the watch at 6 o'clock.
  - Where does the hour hand stop if it makes half a revolution from 3.

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