



ST. XAVIER'S SENIOR SECONDARY SCHOOL, JAIPUR

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

28-9-2015	Std. VII	Mathematics	Time : 2 hrs.	Marks : 60
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- Instructions : 1. All Questions are compulsory.
2. Section A contains 10 questions, each carries 2 marks.
3. Section B contains 10 questions, each carries 3 marks.
4. Section C contains 2 questions, each carries 5 marks.

SECTION-A

- Find the value (by using distributive property)
 $151 \times 140 + 151 \times 60$
- Divide $5\frac{3}{7} \div 2\frac{1}{14}$
- Find quotient, when 112.6 is divided by 20.
- Add the following rational number $\frac{1}{3}$, $\frac{5}{8}$ and $\frac{1}{12}$
- Find x : $\frac{3}{11} + x = \frac{6}{7}$
- Find the sum of $(3mn - 5nm)$ and $(8mn - 4nm)$
- Find the value of the expression $a^3 + a^2 + a + 1$, when $a = -1$
- If $2x - 4 = 4$, then find the value of $5x$.
- If First, third and fourth terms of a proportion are 3, 15, 45 respectively, then find the second term.
- Find mean, if weight of 5 men are 62, 65, 69, 66 and 61.

SECTION-B

- Multiply using distributive property $7218 \times (-1005)$
- Find the side of a square whose perimeter is $9\frac{1}{11}$ m.
- Convert 5280 into Kg and g.
- What should be added to $\left[-\frac{5}{6} + \frac{1}{2}\right]$ to get -5 .
- What should be the value of p , if the value of $3x^2 - 2x + p$ is equal 3, when $x = 1$.
- If $A = 3x^2 - 7x - 8$; $B = x^2 + 8x - 3$, $C = -5x^2 - 3x + 2$ find $A - B - C$.

17. Solve : $4 + 5(z - 1) = 34$
18. Find the mean proportion between 49 and 81.
19. The ratio of books on Maths to those on Science is 15 : 17 in a library. If the books on Science are 1054, find the total number of books in the library.
20. If a dice is rolled once, find the probability of getting even number.

SECTION-C

21. The following table shows the average rainfall in the months of June to November in Karnataka

Months	Rainfall (in cm)
June	23
July	30
August	38
September	28
October	21
November	4

Draw a bar graph to represent the above data.

22. Seven persons were asked to guess the length of a bamboo stick. Their answers are given Length is cm.
82, 84, 76, 73, 75, 76, 80
Find (i) Mode
(ii) Median.
