ST. XAVIER'S SENIOR SECONDARY SCHOOL, DELHI-54

Class : 5   SUMMATIVE ASSESSMENT 2   Marks: 60

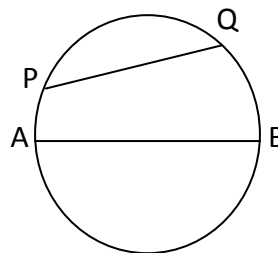Date: 18.02.2015   MATHS   Time: 1½ hours

Name: _____ Class & Sec. _____ R. No. _____

Note: All the answers should be done on the question paper itself.

Mental Maths: (1x15=15)

1.   Average of 5, 10, 15 is _____

2.   A boy scored 4, 5, 9 marks in the three test. His average marks is _____

3.   What is 50% of 60 _____

4.   Convert .25 into percentage _____

5.   Diameter = 2 x _____

6.   Half of a circle is called _____

7.   The _____ is the longest chord of the circle.

8.   If any two sides of a triangle are equal then it is called _____ triangle.

9.   Can a triangle have two right angles? Yes /No _____

10.   If in a triangle, one of the angles is 125°, then it is called _____ angled

       triangle.

11.   Perimeter of a triangle whose sides are 4 cm , 5 cm and 6 cm will be _____ cm.

12.   All the angles of an equilateral triangle are also equal. True/ False _____

13.   Perimeter of _____ = 2 (L + B)

14.   In a triangle sum of all the three angles is always _____.

15.   Two angles in a triangle are 40°, 60°, what kind of a triangle is it? _____

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Note: -   1)   Do all the questions in the answer sheet provided.

2)   Show proper method and steps for all the questions.

1.   Express 45% as a fraction in lowest terms.   (2½)

2.   What percent of `3 is 30 paise?   (2½)

3.   Find the value of 8% of 250.   (2½)

4.   Find the average of all the odd numbers between 40 and 50.   (2½)

5.   The prices of 4 books are `235, `240, `248 and `257.   Find the average price

per book.   (3)

6.   In a class of 60 students 40% are girls and rest are boys.   Find the number of girls and

boys in the class.   (4)

7.   Find the perimeter of an equilateral triangle whose one side is 24cm.   (3)

8.   Tara runs 3 times around a square field whose each side is 75m.   How much distance

does she cover?   (4)

9.   A rectangular picture is 60 cm long and 44cm wide. What will be the length of the wooden

frame required to make it?   (4)

10. Draw a circle of radius 4.5 cm. Also mark its centre.   (2)

11. In the given circle write the terms   (4)

a) PQ is a _____

b) AB is the _____

c) $\overset{\frown}{APS}$ is the _____

d) Point R lies in the _____of the circle.

12. In a triangle, find the measure of $\angle C$, if $\angle A = 45°$, $\angle B = 55°$ (3)

13. Is it possible to form a triangle with line segment of lengths 7cm, 6cm and 12 cm.

Give reason to support your answer.   (4)

14. Is a triangle possible in which $\angle A = 70°$, $\angle B = 70°$, $\angle C = 50°$. Give reason to support

your answer.   (4)

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