ST. XAVIER'S SENIOR SECONDARY SCHOOL, DELHI – 110054

Class : 6 SUMMATIVE ASSESSMENT 1 Marks : 80

Date : 08.09.14 MATHS Time : 2 hrs

Name_____ Class _____ Section_____ Roll no_____

Note: All the answers of Part A should be done on the question paper itself. Part A will be collected after 30 minutes.

PART A

Tick the correct answer: (1x20 =20)

1. $\frac{1}{2} + \frac{1}{4} =$ _____

   (a) $\frac{2}{4}$ (b) $\frac{3}{4}$ (c) $\frac{2}{8}$

2. $\frac{12}{20}$ = _____ (lowest term)

   (a) $\frac{6}{10}$ (b) $\frac{3}{5}$ (c) $\frac{4}{5}$

3. $\frac{3}{7} = \frac{12}{\square}$

   (a) 28 (b) 21 (c)14

4. $5 - \frac{3}{4}$ = _____

   (a) $\frac{2}{4}$ (b) $3\frac{1}{4}$ (c) $4\frac{1}{4}$

5. $\frac{3}{5}$ = _____ (decimal form)

   (a) 0.35 (b) 0.6 (c) 3.5

6. 0.25 = _____ (fraction in the lowest term)

   (a) $\frac{1}{4}$ (b) $\frac{25}{100}$ (c) $\frac{2}{5}$

7. 6.4 — 0.25 = _____

   (a) 6.25 (b) 6.15 (c) 6.05

8. The number 5.75 lies between the whole numbers

   (a) 2 and 5 (b) 5 and 6 (c) 7 and 9

Cont'd-----2/-

9. A fraction whose numerator is greater than its denominator is called a

(a) Proper fraction (b) improper fraction (c) mixed fraction

10. The place value of 5 in 2.754 is

(a) Five (b) five tenth (c) five hundredth

11. Two angles in a plane are said to be adjacent if they have

(a) A common vertex (b) A common arm (c) both (a) and (b)

12. The sum of the lengths of the sides of a triangle is known as its

(a) area (b) perimeter (c) region

13. By joining any two points on the circumference of a circle we obtain a

(a) Diameter (b) Radius (c) Chord

14. Two lines in a plane which intersect each other at an angle of 90^0 are called

(a) Skewed lines (b) parallel lines (c) perpendicular lines

15. An angle whose measure is 180^0 is called a

(a) Straight angle (b) complete angle (c) reflex angle

16. A triangle having an angle more than 90^0 is called

(a) Acute angled triangle (b) right angled triangle (c) obtuse angled triangle

17. The sum of two acute angles of a right angled triangle is

(a) Less than 90^0 (b) more than 90^0 (c) equals to 90^0

18. The smallest of the fractions $\frac{3}{4}$, $\frac{3}{5}$, $\frac{3}{8}$ is

(a) $\frac{3}{4}$ (b) $\frac{3}{5}$ (c) $\frac{3}{8}$

19. $\frac{239}{100}$ = _____ (decimal form)

(a) 0.239 (b) 2.39 (c) 23.9

20. $2+\frac{6}{100}$ = _____

(a) 2.006 (b) 2.06 (c) 2.6

****

ST . XAVIER'S SENIOR SECONDARY SCHOOL, DELHI – 110054

Class :6 SUMMATIVE ASSESSMENT 1 Marks : 80

Date : 08.09.14 MATHS Time : 2 hrs

Note: All the answers of Part B should be done on the Answer Sheet.

PART B

Solve the following questions with method:

1. What should be added to 18.257 to get 25? (2)
2. Convert the following fractions into the lowest terms

   (a) $\frac{24}{140}$ (b) $\frac{91}{126}$ (2x2=4)
3. Convert the following fractions into decimals

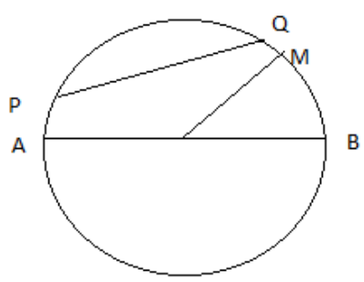
   (a) $5\frac{3}{8}$ (b) $2\frac{13}{20}$ (2x2=4)
4. Kunal purchased a notebook for Rs.19.75, a pencil for Rs. 3.85 and a pen for Rs.8.35 from a book shop. He gave a 50-rupee note to the shopkeeper. What amount did he get back? (4)
5. Arrange the following decimals in descending order

   6.54 , 6.45 , 6.4 , 6.5 (2)
6. Arrange the following fractions in the ascending order $\frac{2}{3}, \frac{1}{6}, \frac{5}{9}, \frac{7}{12}$ (3)
7. Simplify the following fractions: (3+3+4=10)

   (a) $3\frac{1}{3} + 4\frac{3}{7}$ (b) $5\frac{3}{8} - 2\frac{5}{6}$ (c) $5\frac{1}{2} + 2\frac{5}{9} - 3\frac{2}{3}$
8. Simplify the following decimals:

   5 – 7.138 + 3.84 (3)
9. Find the diameter of the circles if

   (a) Radius = 3.8cm (b) Radius = 4.25m (1x2=2)
10. The angles of a quadrilateral are 70^0, 90^0, 105^0 and x. Find the value of x. (3)
11. The angles of a triangle ABC are in the ratio 2:3:4 , find all the angles of the triangle. (4)
12. Name the following parts of the given circle. (5)



(a) Radius (b) Diameter

(c) Chord (d) Arc (e) semicircle

13. Draw a circle with radius 3.5 cm using a compass. (3)
14. Construct the following angles using a ruler and a compass (4+4+3=11)

    (a) 45^0 (b) 105^0 (c) 120^0

****