Time – 2:30 Hours
General Instructions:-

Section-A

Select the correct answer from the given four alternative answers:-

Q.1. A fraction equivalent to $\frac{30}{72}$

i) $\frac{12}{30}$ ii) $\frac{10}{36}$ iii)$\frac{15}{36}$ iv) None of these

Q.2. Mixed fraction of $\frac{35}{9}$ is

i) $3\frac{7}{3}$ ii) $3\frac{8}{9}$ iii) $3\frac{3}{9}$ iv) None of these

Q.3. $\frac{8}{5}$ is written in decimal notation as

i) 0.16   ii) 1.6   iii) 1.06   iv) None of these

Q.4. $600 + 2 + \frac{8}{100}$ is written as decimal

i) 602.8   ii) 60.028   iii) 602.08   iv) None of these

Q.5. $\frac{14}{21}$ = $\frac{6}{\boxed{}}$ **the number in the box is**

i) 7   ii) 9   iii) 8   iv) None of these

Q.6. Which one in the following is in proportion?

i) 33, 121, 9, 96   ii) 24, 28, 36, 48   iii)   33, 44, 75, 100   iv) None of these

Q.7. Which one is perimeter of regular pentagon whose length of one side is 3 cm

i) 9 cm   ii) 15 cm   iii)   12 cm   iv) None of these

Q.8. Which one has number of lines of symmetry 2

i) Square   ii) Equilateral Triangle   iii)   Rectangle   iv) None of these

Section-B

Q.9. Find the equivalent fraction of $\frac{2}{9}$ with denominator of 63

Q.10. Write $3\frac{3}{5}$ as decimals.

Q.11. Divide 20 pens between Sheela and Sangeeta in the ratio of 3:2.

Q.12. Define Tally marks in Data handling.

Q.13. Two sides of a Triangle are 12 cm and 14 cm. The Perimeter of the

triangle is 36cm. What is the third side?

SECTION -C

Q.14 Fill in the boxes:-

(i) $\square - \frac{1}{5} = \frac{1}{2}$

Q.15. i) Find the sum of 280.69 + 25.2 +38

ii) Write as Fractions in lowest term: - 0.066

Q.16. Cost of a dozen pens is Rs.180 and cost of 8 ball pens is Rs.56. Find the ratio of the Cost a pen to the cost of a ball pen.

Q.17. The following are the details of number of students in a class of 30 present during a week. Represent it by a pictograph.

Day	Number of Students present
Monday	24
Tuesday	26

Wednesday	28
Thursday	30
Friday	29
Saturday	22

Q.18. Find the cost of fencing a rectangular park of length 175m and breadth 125m at the rate of Rs.12 per metre.

Q.19. A floor is 5m long and 4m wide. A square carpet of side 3m is laid on the floor. Find the area of floor that is not carpeted**.

Q.20. Draw a line segment of length 9.5cm and construct its perpendicular. bisector.

Q.21. Draw the figures with lines of symmetry and write also number of lines of symmetry
 i) Equilateral Triangle   ii) Square   iii) Rectangle.

SECTION – D

Q.22. A car travels 90 Km in $2\frac{1}{2}$ hours
   a) How much time is required to cover 30 Km with the same speed.
   b) Find the distance covered in 2 hours with the same speed.

Q. 23. Construct an angle of 135^0 with ruler and compasses and bisect it.

OTBA

THEME - FIFA World Cup 2014

Answer the following questions on the basis of Abstract and data given:

1.   a. Represent the goals scored by top 6 players using bar graph of suitable scale.
                                                                                                                              3
    b. How many FIFA World Cups so far have been played with 32 teams?   2

2. a. What is the total sum of prize money (in million US dollars) received by world cup winners, runner up and 4th placed teams at 2014 FIFA world cup in Brazil.
                                                                                                                              1

   b. What has been the biggest margin of victory in WC FIFA? Which team won?
                                                                                                                              1

   c. Italy has won how many WC titles?   1

   d. What has been the percentage penalty kick success rate   in WC FIFA?   1

e. Which country won the 1st official WC FIFA title?   1

OR

THEME - Perimeter and area of various shapes

Answer the following questions on the basis of Abstract and data given :

1. a. What is the area of the path around the inner rectangle?   2

    b. How many tiles will required to cover the path?   2

2. a. How many sapling will be required for planting along the boundary of inner rectangle?

                                        2

    b. What is the total cost of the fencing wire to fence the outer boundary?   2

    c. What will be labour charges if all the work will be done in 5 days due to bad weather ?

                                        2