

ANNUAL EXAMINATION, 2018-19

MATHEMATICS

Time : 3 hrs.

Class - VI

M.M. : 80

Date – 22.02.2019 (Friday)

Name of the student _____ Section _____

General Instructions –


- The question paper consists of **33** questions divided into 4 sections **A, B, C and D**. **Section A** comprises **6** questions of **1** mark each. **Section B** comprises **6** questions of **2** marks each. **Section C** comprises **12** questions of **3** marks each. **Section D** comprises **9** questions of **4** marks each.
- **In Section - A and B all questions are compulsory.** In Section - C solve any 10 questions and in Section - D solve any 8 questions.
- Draw **neat diagrams** wherever needed.
- Use of **calculator is not permitted.**

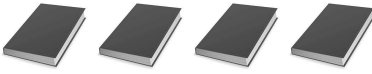

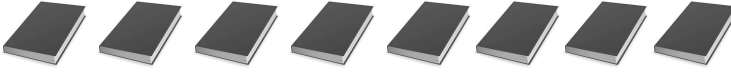

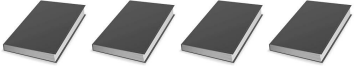
SECTION-A (Attempt all questions)

- Q 1. Write the opposite of **profit of Rs. 950**.
- Q 2. 7 less than -12 is _____.
- Q 3. **Write in decimal :**
Three hundred thirty five & four tenths and four hundredths.
- Q 4. Perimeter of a rectangle with length 15 m & breadth 12m is _____.
- Q 5. **Give expression for the following :**
 x is multiplied by 7 & then 10 is added to the result.
- Q 6. Find the ratio of 63 to 81.

SECTION - B (Attempt all questions)

- Q 7. If the cost of 8 cans of juice is Rs 264, then what will be the cost of 12 cans of juice? .
- Q 8. Payal's present age is x years. Her father's age is 6 years more than 4 times of her age.
a) What was her age nine years back?
b) What is her father's age?
- Q 9. a) What is the perimeter of a regular pentagon with each side measuring 9 cm?
b) Find out area of a square with side 15 cm.
- Q 10. Write as decimal.
a) $500 + 70 + 8 + \frac{2}{10} + \frac{7}{100}$.
b) Write 15.9 as fraction.

Q 11. Rows Number of books key  = 2 books

Row 1	
Row 2	
Row 3	
Row 4	
Row 5	

- a) Which row has the greatest number of books?
 b) What is the total number of books of row 2 & row 4?

- Q 12 a) Write the equivalent fraction of $\frac{24}{36}$ with numerator 2.
 b) Express $9\frac{4}{9}$ in improper fraction.

SECTION-C (Attempt any 10 questions)

Q 13. Solve :

- a) $(45) + (-32) + (70) + (-25)$
 b) $(-12) - (18) - (-30)$

Q 14. a) Is $\frac{9}{15}$ equal to $\frac{3}{4}$?

b) Solve :

$$\frac{7}{10} + \frac{4}{15}$$

Q 15. a) Which is greater 2.257 or 2.098 ?

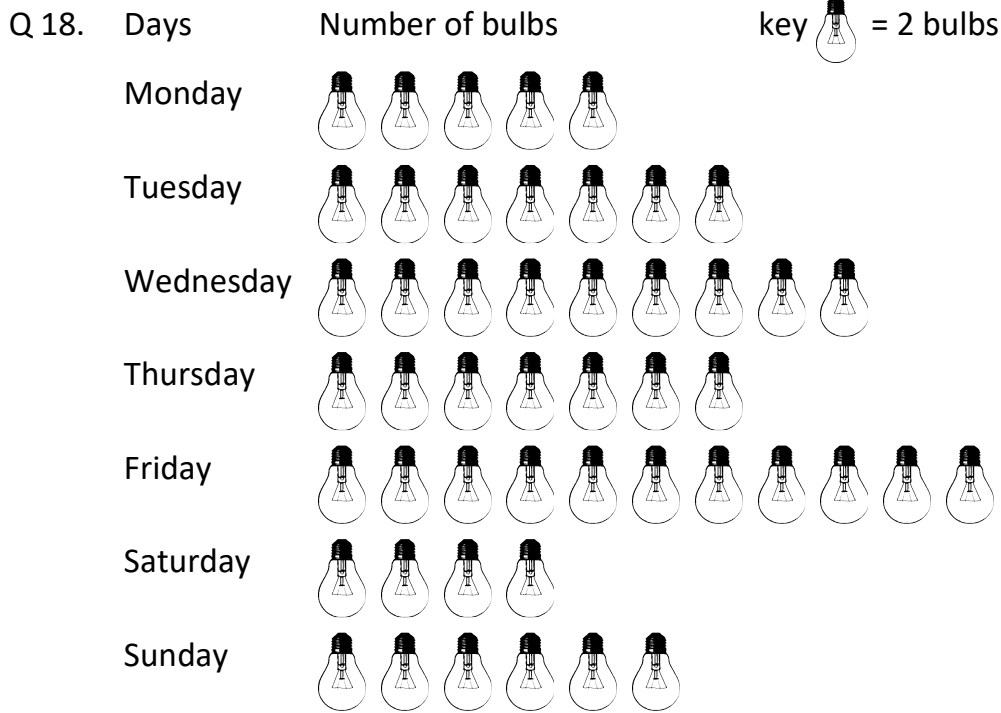
b) Raju had Rs.16.75 . He bought toffees for Rs. 10.25. Find the amount left with Raju.

Q 16. a) Find the side of a square whose perimeter is 48 cm.

b) Find the cost of fencing a square park of side 320 m at the rate of Rs.25 per metre.

Q 17. a) The length of a rectangular hall is 4 metre less than 3 times the breadth of the hall. What is the length if the breadth is x metre ?

b) A bus travels at y km per hour. It is going to Bharatpur to Ratanpur. After the bus travelled 9 Km , Ratanpur is still 25 Km away. What is the distance from Bharatpur to Ratanpur? Express it using y.



Answer the following Questions:

- a) On which day were the maximum number of bulbs sold?
- b) On which two days same no. of bulbs were sold?
- c) How many bulbs were sold on the given week?

Q.19. There are 60 persons working in an office. If the no. of females is 35 & the remaining are males, then find the ratio of :

- a) The no. of females to the number of males.
- b) The number of female to the total no. of employee.

Q 20. Draw an angle of measure 135° & bisect it.

Q 21. a) Add :

$$2\frac{4}{5} \text{ and } 3\frac{5}{6}$$

b) Solve :

$$4\frac{2}{3} - 2\frac{1}{6}$$

Q 22. The area of a rectangular piece of cardboard is 108 sq.cm & its length is 12 cm.

- a) What is the width of the cardboard?
- b) What is the perimeter of the cardboard?

Q 23. Present age of father is 40 years and that of his daughter is 12 years. Find the ratio of

- a) Present age of father to the present age of daughter.
- b) Age of father after 8 years to the age of daughter after 8 years.

Q 24. Draw a circle with radius 4 cm. Draw any chord AB . Construct the perpendicular bisector of AB.

SECTION-D (Attempt any 8 questions)

Q 25. Fill in the blanks with $>$, $<$ or $=$

- a) $25 - (-23)$ $(-52) + (-23)$
- b) $(-18) - 20$ $(-20) - (-18)$

Q 26. Match the equivalent fractions.

- | A | B |
|---------------|-----------|
| i) $450/630$ | a) $3/8$ |
| ii) $330/880$ | b) $3/4$ |
| iii) $63/77$ | c) $5/7$ |
| iv) $27/36$ | d) $9/11$ |

Q 27. a) Raja bought 4.225 Kg apples, 7.8 Kg grapes & 5.03 Kg mangoes. Find the total weight of all the fruits he bought.

b) Tina has Rs. 50.50. She bought a book for Rs. 37.75. How much money does she have now?

Q 28. The number of GK books sold by a shopkeeper on six consecutive days is shown below.

Days	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
No. of Books Sold	40	55	60	70	65	40

Draw a bar graph to represent the above information choosing the scale of our choice.

Q 29. a) An athlete takes 12 rounds of a rectangular park which is 75 m long & 50 m wide. Find the total distance covered by him.

b) The perimeter of a regular hexagon is 48 m. How long is its one side?

Q 30. Complete the table.

Equation	Value of variable	Solution (Yes/No)
i) $x + 10 = 30$	$x = 10$	-----
ii) $p - 7 = 42$	$p = 49$	-----
iii) $9y = 72$	$y = 9$	-----
iv) $m/4 = 8$	$m = 32$	-----

Q 31. a) Determine if the following are in proportion or not -
32, 48, 70, 210

b) Varun made 72 runs in 8 overs and Anil made 63 runs in 9 overs. Who made more runs per over?

Q 32. Draw a right angle & construct its bisector.

Q 33. Construct an angle of measure 120° .

