



TERM-II EXAMINATION (2017 -2018)

CLASS – VI

MATHEMATICS

MARKS – 80

DATE: 8-3-2018

TIME – 3 Hours

General instructions:

All questions are compulsory. The questions paper consists of 30 questions divided into four sections A , B , C and D. Section A comprises 6 questions each carries 1 mark, section B comprises 6 questions each carries 2 marks, Section C comprises 10 questions each carries 3 marks and Section D comprises 8 questions each carries 4 marks .

Do all calculations in the working column. Give necessary formulae, statements and steps wherever necessary.

SECTION A

1. Write the integers lying between (-7) and (-2).
2. Write next four equivalent fractions of $\frac{3}{5}$.
3. Convert 5 kg 75 g into kg.
4. Find the perimeter of a regular hexagon if its each side is 5 cm.
5. Fill in the following boxes: $\frac{14}{21} = \frac{--}{3} = \frac{6}{--}$
6. Write the expression of the following statement: The sum of x and 3.

SECTION B

7. Find the value of : $48 + 13 + (-73)$.
8. Add: $6.7 + 23.68 + 121.668 + 0.05$.
9. Represent $\frac{7}{5}$ on the number line.
10. Find the ratio of 25 paise to Rs 50 and also write the ratio in the simplest form.
11. Write the following statement as an equation: 5 increased by a number x is 10 and also find the solution of the equation.
12. The perimeter of regular pentagon is 100 cm. Find the length of its each side?

SECTION C

13. Find the value of $(- 10) + 5$ using number line.
14. Evaluate $126.84 - 151.6 + 218.931$

OR

- Shyam has Rs. 500 with him .He spends Rs 160 on fruits, Rs. 30.50 on butter, Rs. 20.75 on sugar and Rs. 90.60 on tea leaves. How much is the balance money with him?
15. Find the cost of fencing a rectangular park of length 175 m and breadth 125m at the rate of Rs.12 per metre.
 16. A person saves Rs. 12528 in one year. How much does he save in 3 months?
 17. Solve the equation $3x + 3 = 15$ by trial and error method.
 18. Construct an angle of 60° and construct its angle bisector.

19. Ankita purchased 15 blankets for Rs.3750. How much she spent for purchasing 25 blankets? She distributed the 25 blankets in an old age home. What value is promoted through this question.
20. From the piece of $10\frac{3}{4}$ m long ribbon, $2\frac{4}{5}$ m is cut. Find the length of the remaining ribbon.

OR

A piece of wire $\frac{14}{15}$ metre long broke into two pieces . One piece was $\frac{1}{3}$ metre long. How long was the other piece?

21. The colours of fridges preferred by people living in a locality are given below by the following pictograph. Observe the pictograph and answer the following questions:

Colour	Number of people	Ⓜ = 10 people
Blue	Ⓜ Ⓜ Ⓜ Ⓜ Ⓜ	
Green	Ⓜ Ⓜ Ⓜ Ⓜ Ⓜ Ⓜ Ⓜ	
Red	Ⓜ Ⓜ Ⓜ Ⓜ Ⓜ Ⓜ Ⓜ Ⓜ Ⓜ	
white	Ⓜ Ⓜ Ⓜ	

- (i) Find the total number of people who preferred green and red colour?
 (ii) What is the ratio of the number of people preferring blue colour to the number of people preferring white colour?
 (iii) Which colour is preferred by most of the people?

OR

Given below are the ages of 25 students of class VIII in a school. Prepare a frequency distribution table:

15,16, 16,14, 17,17,16,15,15,16,16,17,15,16,16,14,16,15,14,16,16,15,14,15,16.

22. The length of rectangular playground of the school is 100m. If its perimeter is 300m, what is its breadth? Also find the area of the playground.

SECTION D

23. Fill in the blanks:

- (a) The predecessor of (-453) =
 (b) (-9) + = 0
 (c) The value of (-50) - (-50) =
 (d) The value of (-7) + (-8) =

24. Roy travelled 5 km 52m by bus, 2km 265m by car and the rest 1km 30m he walked. How much distance did he travel in all?
25. A marble tile measures 25cm length and 20cm breadth . Find the number of tiles required to cover the floor of the room of the size 4m by 3m.

OR

Ravish wants to cover his room which is 3m wide and 4m long by squared tiles. If each side of the square tile is 0.5m, then find the number of tiles required to cover the floor of his room.

26. Raju purchases 25 pens for Rs. 625 and Rohit purchases 15 pens for Rs 300.Can you say who got the pens cheaper ?

OR

Rohan made 84 runs in 6 overs and Ankit made 91 runs in 7 overs .Who made more runs per over?

27. Complete the table and by inspection of the table find the solution to the equation: $5t = 35$

t	4	5	6	7	8	9
5t	---	---	---	---	---	---

OR

Give expressions for the following cases:

- (a) 12 subtracted from z
- (b) 25 added to r
- (c) y multiplied by 10 and then 5 added to the product
- (d) n multiplied by 2 and 1 subtracted from the product.

28. Draw a circle of radius of 4cm and draw any chord AB . Construct the perpendicular bisector of the chord AB and say whether it is passing through the centre.

OR

Construct a right angle and construct its bisector.

29. Simplify $4\frac{2}{3} - 3\frac{1}{4} + 2\frac{1}{6}$

30. The following table shows the number Maruti cars sold by five dealers in a particular month:

Dealer	Saya	Bagga Links	D.D.Motors	Bhasin Motor	Competent Motors
Cars sold	55	70	85	110	120

Draw a bar graph to represent the above data by taking the scale of 1 unit length=10 maruti cars .

XX