

SAMPLE PAPER TERM II
SESSION: 2019 – 20
CLASS – VI
MATHEMATICS

Time – 3 hours

Max. Marks – 80

General Instructions:-

1. All questions are compulsory.
 2. The question paper consists of 30 questions, divided into four Sections A, B, C and D.
 3. Section A contains 6 very short-answer type questions of 1 mark each.
Section B contains 6 short-answer type questions of 2 marks each.
Section C contains 10 long-answer-1 type questions of 3 marks each.
Section D contains 8 long-answer-2 type questions of 4 marks each.
 4. Write the serial number of the question before attempting it.
 5. There is no overall choice although internal choice is given in given Section B, C and D.
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SECTION A

(Each question carries 1 mark)

1. Express 36 as sum of two odd prime numbers.
2. Find the equivalent ratio of 24: 84
3. Write the successor of -1.
4. Find the perimeter of an equilateral triangle whose side is 10.3 cm.
5. Write the following in decimal form:
Fifty six hundredths
6. Find the LCM of 160 and 90.

SECTION B

(Each question carries 2 marks)

7. Use the number line to represent the integer which is 4 less than – 2.

OR

Use the number line to represent the integer which is 5 more than – 3.

8. Find the H.C.F of 20, 56, 78 using prime factorization method.
9. If the length of a rectangle is two – third of its breadth. Find its area if its breadth is 6 cm.

OR

The area of a rectangle is 225 square cm and its one side is 25 cm, find its other side.

10. Subtract 46.34 from 223
11. Draw a line segment of length 6.6 cm. Bisect it and measure the length of each part.
12. The sum of two integers is 30. If one of the integers is -42 , then find the other.

SECTION C

(Each question carries 3 marks)

13. The quarterly school fee in Kendriya Vidyalaya for class VI is ₹ 540. What will be the fees for seven months?
14. Find the L.C.M of 42, 58, 64 and 25.
15. Find the value of
 $(-13) + (-98) - (-84) - (+5)$
16. The sum of two fractions is $5\frac{3}{8}$. If one of the fractions is $\frac{7}{9}$, find the other fraction.
17. A metal pipe 3 meter long was found to weigh 7.6 kg. What would be the weight of the same kind of 7.8 meter long pipe?

OR

Divide ₹ 1170 among A, B and C in the ratio 2 : 7 : 4.

18. Draw an angle of 140° with the help of a protractor and bisect it using ruler and compasses.

OR

Draw a circle of radius 5cm. Draw any two of its chords. Construct the perpendicular bisectors of these chords. Where do they meet?

19. One side of a square field is 62 m. Find the cost of raising a lawn on the field at the rate of ₹ 5.50 per square meter.
20. Draw a line segment of length 13.6 cm. Using compasses divide it into four equal parts. Verify by actual measurement.
21. The shadow of a 3m long stick is 4m long. At the same time of the day, find the length of flag staff if its shadow is 24m long.

SECTION D

(Each question carries 4 marks)

22. Draw a semicircle of diameter 4.8 cm.

OR

Draw an angle of 60° and construct its bisector.

23. Find the greatest number of four digits which is exactly divisible by 12, 16, 24, 28.

24. Find the value of x in each of the following proportions:

a. $6 : x :: 78 : 65$

b. $x : 45 :: 52 : 39$

25. Compute the each of the following

(i) $30 + (-25) - (-10)$

(ii) $1 + (-2) - (-3) + (-4) - (-5)$

26. The length of a piece of wire is 60 m. If the wire is used to make a regular pentagon and a regular hexagon. find the difference in the lengths of its sides.

27. Add -45 to the difference of 88 and - 107

28. The unequal side of an isosceles triangle is 7 cm. The sum of three side is 25 cm. Find the length of equal sides.

OR

A marble tile measures 25 cm by 20 cm. How many tiles will be required to cover a wall of size 4 m by 3 m?

30. A wire is cut into several small pieces. Each of the small pieces is bent into a square of side 2cm. If the total area of the small squares is 28 square cm, what was the original length of the wire?

OR

The breadth of a rectangular field is 20m. If the perimeter of this field is 800m, what is the length of the field? Also find the area of the field.