

Annual Assessment - March 2017
Mathematics
Class-6

Maximum Marks: 80

Time: 150 Minutes

Instructions:

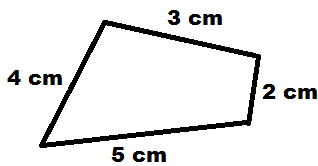
- All questions are compulsory.
- Marks are given in front of each question.

1. Choose the smallest number from given options. 1
 (a) $(1+2)$ (b) $(1-2)$ (c) $(-1-2)$ (d) $(2-1)$
2. Covered surface of a closed figure is known as _____. 1
 (a) length (b) volume (c) perimeter (d) area
3. A right bisector of a line segment divides the line in _____ equal parts. 1
 (a) 4 (b) 3 (c) 2 (d) 1
4. Which of the following is an acute angle? 1
 (a) 110° (b) 180° (c) 90° (d) 60°
5. Select correct fraction for the shaded part of the given figure from the options. 1



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

6. What is the perimeter of a given figure? 1

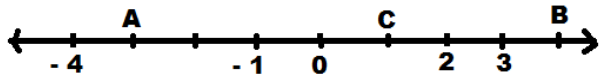


- (a) 14 cm^3 (b) 14 cm^2 (c) 14 cm (d) 14 cm^5

7. Which of the following is an equation? 1
 (a) $x+20 = 70$ (b) $x+20 < 70$ (c) $x+20 > 70$ (d) $x/20 < 70$
8. Which of the following is a smallest natural number? 1
 (a) 0 (b) -1 (c) 1 (d) 2
9. The sum of 5 and -6 is: 1
 (a) 1 (b) -1 (c) 11 (d) -11
10. If 😊 = 10 child then, 😊 😊 ☹ = _____ child. 1
 (a) 25 (b) 20 (c) 30 (d) 35

11. In Geometry Box, which tools have a pair of pointers? 1
 (a) Compass (b) Eraser (c) Divider (d) Pencil
12. How many ten thousand are in one lakh? 1
 (a) 1 (b) 10 (c) 100 (d) 5
13. The tenth place number of 0.375 is : 1
 (a) 0 (b) 3 (c) 7 (d) 5
14. 5 added to Y can be written as: 1
 (a) 5Y (b) Y^5 (c) $Y+5$ (d) $Y-5$
15. If, $5: 10 :: \square : 40$ then \square is equal to: 1
 (a) 5 (b) 10 (c) 15 (d) 20
16. Write all multiples of 9 up to 100. 2
17. Calculate the ratio of 30 minutes to 1.5 hours. 2
18. Write 25.37 in words. 2
19. How many whole number lies in between 32 and 53? 2
20. The hour hand of a clock when turn from digit 3 to 9, then what fraction of a complete clockwise revolution it does? 2
21. Write in numerals: 2
Fifty eight million four hundred and five thousand two hundred ten
22. If total numbers of animals in five villages are as follows 2
- | Village | A | B | C | D | E |
|---------|----|----|----|-----|-----|
| Animals | 80 | 70 | 45 | 100 | 160 |
- Then answer the following
- a. Which village has maximum number of animals?
 b. How many animals are less in village B than village E?
23. Draw lines of symmetry of a rectangle. 2
24. Write in ascending order 2
 $\frac{1}{2}, \frac{2}{3}$ and $\frac{1}{3}$
25. Simplify, $285 \times 5 \times 60$. 2
26. Find the difference between the greatest and the smallest number that can be written using digits 5, 3, 7, 8 and 4. 3
27. Draw a bar graph of the following data: 3
- | Name of Fruit | Banana | Orange | Mango | Apple |
|--------------------|--------|--------|-------|-------|
| Number of Students | 8 | 3 | 5 | 4 |
28. Find the value of X in the given equation: 3
 $X - 6 = 11$
29. Write the name of different triangles on the basis of angles and sides. 3
30. Determine the smallest three digit number which is exactly divisible by 6, 8 and 12. 3
31. Cost of four dozen bananas is Rs. 60. How many bananas can be purchased for Rs. 12.50.? 3

32. Write the integer A, B and C on number line. 3



33. Ram's present age is Y years. His father's age is 2 years more than five times Ram's age. 3
Find

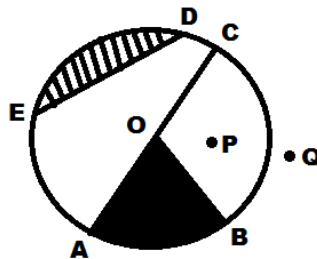
- a. Ram's age five years back.
- b. Ram's age after 7 years.
- c. His father's present age.

34. Draw angle bisector of $\angle ABC = 60^\circ$? 3

35. Rahul bought a book for Rs. 35.65. He gave Rs. 50 to the shopkeeper. How much money did he get back from the shopkeeper? 3

36. Identify the following from figure: 5

- a. The center of circle
- b. A diameter
- c. A cord
- d. A sector
- e. A point in the exterior



37. Match the equivalent fractions 5

- | | |
|----------------------|-------------------|
| i) $\frac{25}{40}$ | a. $\frac{2}{3}$ |
| ii) $\frac{18}{20}$ | b. $\frac{2}{5}$ |
| iii) $\frac{66}{99}$ | c. $\frac{1}{2}$ |
| iv) $\frac{18}{36}$ | d. $\frac{5}{8}$ |
| v) $\frac{22}{55}$ | e. $\frac{9}{10}$ |

38. What is the cost of filing a rectangular plot of land 500 m long and 200 m wide at the rate of Rs. 8 per hundred sq. m.? 5