

**MBS INTERNATIONAL SCHOOL
SECTOR-11, DWARKA
PRACTICE PAPER
SESSION- 2019-20
MATHEMATICS
CLASS –VI**

Time allowed: $1\frac{1}{2}$ Hours

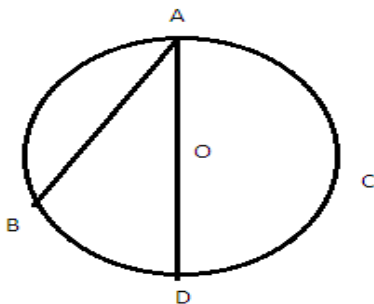
Maximum Marks: 40

General Instructions:

- *All the questions are compulsory.*
- *The question paper consists of 21 questions divided into four sections A, B, C & D. Section A comprises of 11 questions of 1 mark each. Section B comprises of 5 questions of 2 marks each. Section C comprises of 3 questions of 3 marks each and Section D comprises of 2 questions of 4 marks each.*

SECTION – A

1. 15 times x subtracted from 27 is _____. 1
 (a) $3x - 15$ (b) $27 - 15x$ (c) $15(x - 27)$ (d) $27 - 15x$
2. If $25 : 35 :: 35 : x$, find the value of x 1
 (a) 45 (b) 60 (c) 80 (d) none of these
3. The value of $-8 + 23 - (-32) + (-17) + (-63)$ is _____ 1
 (a) -97 (b) -83 (c) 72 (d) 80
4. Check whether $x=6$ is the solution of the following equations: 1
 (a) $3x - 7 = 11$ (b) $4x + 5 = 17$ (c) $2x + 8 = 15$ (d) $3x - 6 = 6$
5. Given that O is a centre of the given circle. Name a chord and a point on the circumference. 1

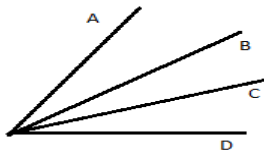


6. If XY is perpendicular bisector of PQ, then angle between XY and PQ is _____. 1
7. An angle whose measure is more than 90° and less than 180° is _____. 1
8. Write the following integers in ascending order. 1
 $-32, 24, 0, -27, 31, -3, 10$

9. Represent the following situation as integer : 30 km West 1
10. Sheena is 32 years old and her son is 4 years old. Find the ratio of Sheena's age to her son's age? 1
11. Ratio of 24g : 56 kg is _____ 1
 (a) 1 : 4 (b) 1 : 4000 (c) 40 : 1 (d) 1 : 4

SECTION – B

12. For Ravina's birthday party her mother prepared sweets and milkshake. $1\frac{1}{2}$ litres of milk was used in making sweet and $2\frac{3}{4}$ litres of milk was used for making milkshake. Find the total quantity of milk used. 2
13. Construct an angle of 90° with the help of compass. 2
14. Name two adjacent angles. 2



15. Naman wants to do fencing around a rectangular garden that has length of 12 m and breadth 14m. If the cost of fencing is ₹32 per meter, find the total cost of fencing for the entire garden 2
16. A car travels 195 km in 3 hours. How long will it take to travel 520 km? 2

SECTION – C

17. There are 30 chocolates in a box, out of which 10 are plain milk chocolates, 12 are dark chocolates and the remaining are fruit and nut chocolates. Find the ratio of the: 3
 a) number of plain milk chocolates to the number of dark chocolates.
 b) number of dark chocolates to the number of fruit and nut chocolates.
 c) number of fruit and nut chocolates to the number of chocolates.
18. Ankit covers 48km340m by car, 4km70m by rickshaw and 40m on foot. What is the total distance by him? 3
19. Draw a circle of radius 4cm. Draw two chords AB and CD. Construct perpendicular bisector of these chords. 3

SECTION – D

20. Solve the following equations: 4
 (a) $8x + 5 = 6x + 15$
 (b) $\frac{x}{5} + 3 = 7$

21. The length and the breadth of a room are 8m and 6m .Find number of rectangular tiles of side 25cm and 20cm that are required to pave on the floor of the room? 4
- A book is 81 cm wide and 108 m long. Find the ratio of width to its length in lowest form.
 - Are 25kg:1 g and ₹ 40 : ₹160 in proportion?