

AMRITA VIDYALAYAM

HALF YEARLY EXAMINATION 2018 - '19

Class : VI

Marks : 80

Time : 2½ hrs

MATHEMATICS

GENERAL INSTRUCTIONS:

1. All questions are compulsory.
2. This question paper consists of 30 questions divided into four sections A, B, C and D.
3. Section A comprises of 6 questions of 1 mark each.
Section B comprises of 6 questions of 2 marks each.
Section C comprises of 10 questions of 3 marks each.
Section D comprises of 8 questions of 4 marks each.
4. Use of calculator is not permitted

SECTION - A

1. Which is the smallest prime number?
2. Give two examples from your environment of
 - a) intersecting lines.
 - b) parallel lines.
3. Write down all the factors of 15.
4. Write the 2-digit number whose successor is a 3-digit number.
5. Name the line segment that connects the centre of a circle to the point on the circle.
6. How many whole numbers are there between 53 and 72?

SECTION - B

7. Find 4 pairs of co - prime numbers.
8. Draw a polygon having 5 sides. Name it as polygon PQRST.
Draw it's all possible diagonals.
9. Find the H.C.F of 105,135,180.
10. Find the sum and difference of the place value and face value of 8 in 67,823.

11. Simplify using distributive property.
- a) $325 \times 52 + 327 \times 8 + 327 \times 40$
 - b) $405 \times 29 - 29 \times 205$
12. Find the sum of 1 less than the biggest 5 digit number and 2 more than the smallest 6 digit number.

SECTION - C

13. Draw a circle, using a compass, mark its center as point C; draw
- a) Radius CD.
 - b) Diameter BCD.
 - c) Chord DE.
 - d) Sector BC.
14. The length of 2 rods is 6m75cm and 15m 50cm. Find the longest tape which can measure these lengths exactly.
15. Using divisibility test find whether 297144 is divisible by 6.
16. Draw a rough sketch of a quadrilateral KLMN, state
- a) 2 pairs of opposite sides.
 - b) 2 pairs of adjacent sides.
 - c) 2 pairs of adjacent angles.
17. A student wrote 2386 by 78 instead of 87 by mistake. By how much was his answer less than the correct answer?
18. Find the sum: $(1547 + 373) + 905$.
Also find the sum $1547 + (373 + 905)$. Are the two answers same? State the property involved.
19. Write the smallest 4- digit number formed of the digits 3, 5, 0 and 4. Also write its prime factorization.
20. A vendor supplies 32 litres of milk to a hotel in the morning and 68 litres of milk in the evening. If the milk costs ` 15 per litre, how much money is due to the vendor per day?
21. A country exported goods worth rupees 24, 85,600 each day. Find the amount of exports in 3 weeks.
22. Four bells toll at intervals of 4,7,12 and 84 seconds. The bell toll together at 5 O'clock, when will they again toll together?

