

ST. ARNOLD'S CENTRAL SCHOOL, PUNE
TERM -1 EXAMINATION, 2018-2019
SUBJECT: MATHEMATICS

STD: VI

MM: 80

SECTION - A

1. Fill in the blank : **(1x5 = 5)**

- (a) A ----- fraction has a combination of whole and a part.
- (b) In prime factorisation, all the factors are ----- .
- (c) The lines of ----- divides a given figure into two identical halves.
- (d) Number of lines of symmetry in letter T is -----.
- (e) Polygon is made up entirely of -----.

2. Solve the following : **(1x5 = 5)**

- (a) Write first five multiples of 15.
- (b) Construct a line segment of length 4.5 cm using ruler and compass.
- (c) Write CMXCIX in Hindu Arabic system .
- (d) Solve $8 \times 1465 \times 125$ using suitable property.
- (e) Subtract 3.97 from 7.24.

SECTION – B

Question numbers 3 to 10 carry 2 marks each. **(2x8 = 16)**

- 3. Find the common factors of 8 and 12
- 4. Construct a line segment AB of length 6.5 cm. From this, cut off AC of length 3.2 cm and measure BC. Write steps of construction.
- 5. Draw a number line and locate $\frac{2}{9}$, $\frac{6}{9}$, $\frac{8}{9}$, 1.
- 6. Estimate the sum by rounding off the numbers to nearest tens.
 - a) $453 + 235$
 - b) $787 + 123$

7. Compare the following.

a) 0.097 and 0.123 b) $\frac{5}{7}$ and $\frac{5}{9}$

8. Check the divisibility of 53766 by 9.

9. Simplify $756 \times 378 - 756 \times 298$.

10. Arrange the following numbers in ascending order.

a) $\frac{3}{5}, \frac{1}{5}, \frac{2}{5}, \frac{4}{5}$ b) $\frac{15}{9}, \frac{15}{11}, \frac{15}{7}, \frac{15}{4}$

SECTION – C

Question numbers 11 to 20 carry 3 marks each.

(3x10 = 30)

11. Express the following into decimals.

a) 25 km 325 m b) 7 rupees 35 paise

12. Add $3\frac{6}{7} + 5\frac{1}{3}$.

13. Given some line segment PQ, whose length you do not know, construct RS such that the length of RS is twice of PQ. Write steps of construction.

14. Find the HCF of 60, 45, 75.

15. Convert the following into decimals.

a) $\frac{3}{2}$ b) $\frac{2}{5}$ c) $\frac{11}{25}$

16. Draw any line segment AB. Mark any point C not on it. Through C, draw a perpendicular to AB. (use ruler and compass) Write steps of construction.

17. Convert the following into simplest form using HCF method.

a) $\frac{48}{60}$ b) $\frac{84}{98}$

18. Add

a) $15.8 + 56.123 + 8.0$ b) $4.3 + 1.250$

19. Find the greatest 3-digit number exactly divisible by 6, 15, 21.

20. Name and draw rough figure of triangle, which has

- (a) exactly two lines of symmetry.
- (b) exactly three lines of symmetry.

SECTION - D

Question numbers 21 to 26 carry 4 marks each.

(4x6 = 24)

21. A man bought 20 litres of petrol. He used $12\frac{3}{4}$ litres of petrol in car and $3\frac{2}{5}$ litres in his motor bike. How much petrol was left with him?

22. In a morning walk, 3 person step off together. Their steps measure 80 cm, 85 cm and 90 cm respectively. What is the minimum distance each should walk, so that all can cover the same distance in complete steps?

23. Draw a rough sketch of quadrilateral PQRS and state

- a) two pairs of opposite sides. b) two pairs of opposite angles.
- c) two pairs of adjacent sides. d) two pairs of adjacent angles.

24. Draw a circle of radius 4 cm and mark

- a) a diameter b) a sector c) a segment

25. Sangeeta bought a notebook for Rs 25.25 and a pen for Rs 10.75. She gave Rs 50 to the shopkeeper. How much did she get back?

26. Let A, B be the centres of two circles of equal radii. Draw them so that each one of them passes through the centre of the other. Let them intersect at C and D. Examine whether AB and CD are at right angle or not.