

Final Term Exam – 2019-2020

Class –VI

Subject – MATHEMATICS

Time : 3 Hours

Max. Marks : 80

General Instructions :

- Attempt all the questions.
- Do rough work on the answer sheet.
- Do not break the sequence of questions.
- Section A – Q1. i-vi, carry 1 mark each.
- Section B – Q. 2-7, carry 2 marks each.
- Section C – Q. 8-17, carry 3 marks each.
- Section D – Q. 18-25, carry 4 marks each.

SECTION – A

(1×6=6)

Q1. Fill in the blanks:

- (i) The value of $\frac{17}{3} - 5\frac{2}{3}$ is _____.
- (ii) The mixed fraction representing the decimal numeral 4.5 is _____.
- (iii) y is multiplied by 5 and result is subtracted from 16. The algebraic expression representing the statement is _____.
- (iv) The ratio of 9 months to 45 days is _____.
- (v) The perimeter of a regular pentagon is 90 cm. Its side is equal to _____.
- (vi) The triangle having exactly three lines of symmetry is a/an _____ triangle.

SECTION – B

(2×6=12)

Q2. A table-top measures 2 m by 150 cm. What is the perimeter of the table-top?

Q3. Evaluate $5 - \frac{1}{8}$

- Q4. A scooter travels 120 km in 3 hours and a train travels 120 km in 2 hours. Find the ratio of their speeds.
- Q5. Arrange the following decimals in ascending order:
3.03, 30.3, 30.03, 3.003
- Q6. Take Sarita's present age to be y years.
- (i) Sarita's grandfather is 6 times her age. What is the age of her grandfather?
- (ii) Sarita's father's age is 5 years more than 3 times Sarita's age. What is her father's age?
- Q7. With the same centre O, draw two circles of radii 4 cm and 2.5 cm.

SECTION - C

(3×10=30)

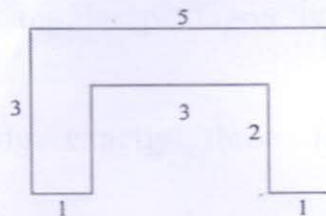
- Q8. Of the 288 persons working in a company, 112 are men and the remaining are women. Find the ratio of the number of
- (a) men to that of women.
- (b) women to the total number of persons.
- Q9. Do as directed:
- (i) Write the decimal representation of $8 + \frac{4}{100} + \frac{3}{1000}$.
- (ii) Evaluate $0.64 - 0.064$.
- Q10. The ratio of the length of school playground to its width is 5:3. If the sum of length and breadth of the ground is 88 metres, find the length and breadth of the playground.
- Q11. Find the sum : $3\frac{1}{3} + 4\frac{1}{4} + 6\frac{1}{6}$
- Q12. Simplify:
 $112.6 - 26.48 - 0.78 + 12.047$
- Q13. Draw the lines of symmetry for a square and for a rectangle. Also mention the total number of lines of symmetry for each case.

- ✓ Q14. A room is 4 m long and 3 m 50 cm wide. How many square meters of carpet is needed to cover the floor of the room?
- ✓ Q15. Verify whether $x = 5$ and $x = 2$ satisfies the equation $2x + 3 = 7$.
- ✓ Q16. The area of a rectangular field is 1600sqm. If the length of the field is 80m, find the perimeter of the field and the breadth.
- ✓ Q17. How many tiles whose length and breadth are 12 cm and 5 cm respectively will be needed to fit in a rectangular region whose length and breadth are 144cm and 100 cm respectively?

SECTION – D

(4×8=32)

- ✓ Q18. Draw an angle of 90° measure and construct its bisector.
- Q19. Do as directed:
- (i) ✓ Convert $\frac{1025}{75}$ into a mixed fraction.
 - (ii) ✓ Find the largest of the fractions $\frac{3}{5}$, $\frac{2}{3}$, $\frac{5}{6}$, $\frac{7}{10}$.
- ✓ Q20. What is the cost of tilling a rectangular plot of land 500 m long and 200 m wide at the rate of ₹8 per hundred sq. m?
- ✓ Q21. Subtract the sum of $3\frac{5}{9}$ and $3\frac{1}{3}$ from $7\frac{5}{6}$.
- ✓ Q22. By splitting the following figure into rectangles, find its total area. (The measures are given in centimetres)



- ✓ Q23. Kunal purchased a notebook for ₹ 19.75, a pencil for ₹ 3.85 and a pen for ₹ 8.35 from a book shop. He gave a 50- rupee note to the shopkeeper. What amount did he get back?
- ✓ Q24. Cost of 90 envelopes is ₹ 13.50. How many envelopes can be bought for ₹ 10.50.
- ✓ Q25. Draw a line segment of length 9.5 cm and construct its perpendicular bisector.