

THIRD TERM EXAMINATION – 2024

A

Class: 7

SUMMATIVE ASSESSMENT - MATHEMATICS

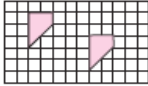

Time :2 Hrs.

Marks: 60

Part – A

I. Choose the correct answer.

10×1 =10

- 1) 2.08×10 is _____.
- a) 20.8 b) 208.0 c) 0.208 d) 280.0
- 2) If the price of a tablet strip containing 10 tablets is ₹ 62.63, then what is the price of each tablet?
- a) ₹ 62.63 b) ₹ 6.263 c) ₹ 626.3 d) ₹ 0.6263
- 3) Kavin scored 15 out of 25 in a test. The percentage of his marks is _____.
- a) 60% b) 15% c) 25% d) 30%
- 4) $(5 + 20)(-20 - 5) =$ _____.
- a) -425 b) 375 c) -625 d) 0
- 5) The solution of the inequation $5x + 5 \leq 15$ are (where x is a natural number) _____.
- a) 1 and 2 b) 0,1 and 2 c) 2,1,0, -1, -2.. d) 1,2,3..
- 6) The transformation used in the picture is 
- a) Translation b) Rotation c) Reflection d) Glide reflection
- 7) A _____ is a turnabout a point.
- a) Translation b) Rotation c) Reflection d) Glide reflection
- 8) Rotation of 90° is called _____.
- a) Full turn b) Half turn c) Quarter turn d) Three - fourth turn
- 9) Find the modes of the data 2, 1, 1, 3, 4, 5, 2
- a) 1 and 5 b) 2 and 3 c) 2 and 1 d) 1 and 4
- 10) In a Flowchart, shape of  represents _____.
- a) Terminal b) Input c) Decision d) Processing

II. Fill in the blanks

5×1 =5

- 11) Decimal value of 142.5% is _____.
- 12) Express $24abc^2$ as product of its factors is _____.
- 13) If $a + b = 5$ and $a^2 + b^2 = 13$, then $ab =$ _____.
- 14) The longest chord of the circle is _____.
- 15) The median of first 6 odd Natural Numbers is _____.

III. Match the following

5×1 =5

- 16) The average of first 5 odd numbers - 1.83
- 17) 8% - 7
- 18) $1.0 + 0.83$ - 0.25
- 19) The median of first 7 prime numbers - 0.08
- 20) $\frac{1}{4}$ - 5

Part – B

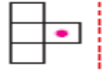
IV. Answer any TEN questions. (Question number 35 is compulsory)

10×2=20

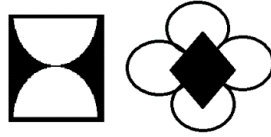
- 21) Round 99.95 to the nearest tenth place.
- 22) How much is 35.6 km less than 53.7 km?
- 23) Find the product of 537.4×0.2
- 24) In a survey one out of five people said they preferred a particular brand of soap. Convert it into percentage.
- 25) What is the difference between 0.01 and 1%?
- 26) A shopkeeper bought a chair for ₹325 and sold it for ₹350. Find the profit percentage.
- 27) Factorise: $z^2 - 16$

Kindly send me your key answers to our email id - padasalai.net@gamil.com

- 28) Simplify $(a + b)^2 + (a - b)^2$
 29) Solve: $x - 6 < 1$, where x is a natural number.
 30) Reflect the shape with given line of reflection.



- 31) Draw all possible lines of symmetry for the following shapes.



- 32) Describe the transformation involved in the following pairs of figures.



- 33) Find the mode of the following data. 2,6,5,3,0,3,4,3,2,4,5,2.
 34) The mean of 9 observations is 24. Find the sum of the observations.
 35) Find the median of the given data: 35,25,34,36,45,18,28.

(or)

Find the simple interest on ₹ 25,000 at 8% per annum for 3 years?

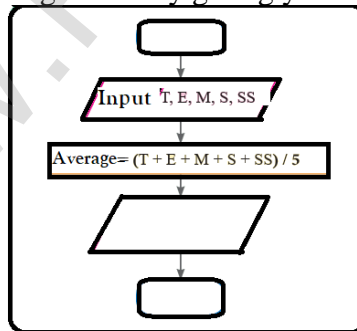
Part- C

V. Answer any FIVE questions. (Question number 43 is compulsory)

5×3=15

- 36) Sulaiman bought 3.350 kg of Potato, 2.250 kg of Tomato and some Onions. If the weight of the total items are 10.250 kg, then find the weight of Onions.
 37) Sugarcane juice of 1.5 litre has to be shared equally among five members. What is the share of each member?
 38) Malar bought 1.75 m of fabric from a roll of 25 m. Express the fabric bought in terms of percentage.
 39) In what time will ₹ 17800 amount to ₹ 19936 at 6% per annum?
 40) Represent the solutions of $3x + 9 \leq 12$ in a number line, where x is an integer.
 41) Draw a circle with a diameter of 6 cm.
 42) Complete the given flowchart.

Fill in the flow chart to print the average mark by giving your I term or II term marks inputs.



- 43) Find the mode of the following data. 14, 15, 12, 14, 16, 15, 17, 13, 16, 16, 15, 12, 16, 15, 13, 14, 15, 13, 15, 17, 15, 14, 18, 19, 12, 14, 15, 16, 15, 16, 13, 12.

(or)

If Kuralmathi bought a raincoat and saved ₹ 25 with discount of 20%, then what is the original price of the raincoat?

Part - D

VI. Answer any ONE question

1×5= 5

- 44) Draw the concentric circles whose radii are $r_1 = 3$ cm and $r_2 = 5$ cm. Find out the width of the circular ring.
 (or)
 Draw the concentric circles whose diameters are $d_1 = 6.4$ cm and $d_2 = 11.6$ cm. Find out the width of the circular ring.