



SCHOOL BASED ASSESSMENT

2023-24



Final Term

Mathematics Grade 7

[Paper A: 48 Marks, Paper B: 52 Marks, Total: 100 Marks] ,
Time = 3 hours

School Name:

GPS 155 EB (EMIS: 39220255)

Student Name :

Roll Number :

Section :

D

OBJECTIVE PART(MCQs)

Question No.1 : The absolute value of -10 is :

- (a) 9 (b) 10
(c) 11 (d) -10

Question No.2 : The place value of 8 in 983542 is:

- (a) 80 (b) 800
(c) 8000 (d) 80000

Question No.3 : Identify correct statement:

- (a) (b)
 $-8395 \leq -8495$ $-8395 < -8495$
(c) (d)

$$-8395 > -8495 \quad -8395 = -8495$$

Question No.4 : The L.C.M of 12,18 and 24 is:

- (a) 36 (b) 48
(c) 72 (d) 82

Question No.5 : If $\frac{75}{6}$ kilogram wheat is to be packed in $\frac{15}{6}$ kilogram packets, then the number of packets will be:

- (a) 4 (b) 5
(c) 6 (d) 7

Question No.7 : By rounding 25.488 up to 2 decimal places we get:

- (a) 25.48 (b) 25.49
(c) 25.50 (d) 25.40

Question No.9 : If the price of mangoes decreases from Rs 250 to Rs 150, then ratio of decreased price is:

- (a) 2 : 3 (b) 2 : 5
(c) 3 : 5 (d) 5 : 3

Question No.11 : If the length of one side of a square shaped table is 4.5 m. Then area of a plastic sheet to cover the table will be:

Question No.6 : The property in the equation

$$\left(\frac{2}{5} + \frac{3}{7}\right) + \frac{5}{9} = \frac{2}{5} + \left(\frac{3}{7} + \frac{5}{9}\right)$$

is:

- (a) Commutative property w.r.t. addition (b) Associative property w.r.t. addition
(c) Distributive property of multiplication over addition (d) Associative property w.r.t. multiplication

Question No.8 : Rashid earns Rs 14000 in 7 days. He will earn in one day:

- (a) Rs. 1500 (b) Rs. 2000
(c) Rs. 2200 (d) Rs. 2500

Question No.10 : If the area of square shaped garden is $289 m^2$, then length of one side of garden will be:

- (a) 13 m (b) 15 m
(c) 17 m (d) 19 m

Question No.12 : The general term of the sequence 4, 6, 8, ... is:

- (a) $2n + 2$ (b) $3n + 1$
(c) $3n + 2$ (d) $3n + 3$

- (a) $9 m^4$ (b) $18 m^4$
 (c) $20.25 m^2$ (d) $22.25 m^2$

Question No.13 : If the general term of a sequence is

$a_n = 2n^2 + 1$, then its first three terms will be:

- (a) 1, 3, 9 (b) 2, 9, 19
 (c) 3, 9, 19 (d) 3, 9, 21

Question No.15 : The product of $3xy$ and $4yz^2$ is:

- (a) $12xyz^2$ (b) $12xy^2z^2$
 (c) $12xyz$ (d) $12x^2y^2z^2$

Question No.17 : Factorization of $3xy - 9x^2y^3$ is:

- (a) (b)
 $3xy(1 - 3xy^2)$ $3xy(xy - 3xy^2)$
 (c) (d)
 $3xy(1 - 3xy)$ $3xy(xy - 9xy^2)$

Question No.18 : The solution of $4x + 3 = 5$ is:

- (a) 2 (b) $\frac{1}{2}$
 (c) $\frac{5}{3}$ (d) 16

Question No.19 : The point (7, 12) lies in the quadrant:

- (a) I (b) II
 (c) III (d) IV

Question No.21 : Centimeter in

Question No.14 : The sum of $4x^2 + 4x + 2$ and $3x^2 + 2x + 3$ is:

- (a) (b)
 $7x^2 - 6x - 5$ $7x^2 + 6x - 5$
 (c) (d)
 $7x^2 + 6x + 2$ $7x^2 + 6x + 5$

Question No.16 : The solution of $9a^2b^2 \div 3ab$ is:

- (a) $3ab$ (b) $3a^2b^2$
 (c) $9ab^2$ (d) $27a^3b^3$

Question No.20 : The linear equation for the statement "the difference of the ages of Akbar and Asghar is 12 years" will be:

- (a) $x - y = 12$ (b)
 $x - 12y = 0$
 (c) $x + y = 12$ (d)
 $12x - y = 0$

Question No.22 : 72 km/h in m/s

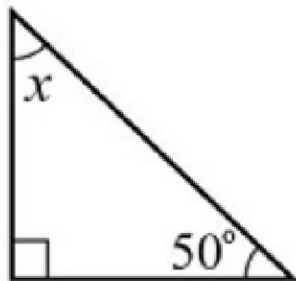
25 metres are:

- (a) 250 cm (b) 2000 cm
(c) 2500 cm (d) 25000 cm

Question No.23 : If a car covers 800 meter in 40 second, then its speed will be:

- (a) 15 m/s (b) 20 m/s
(c) 25 m/s (d) 30 m/s

Question No.25 : The value of angle x in the given figure is:



- (a) 30° (b) 40°
(c) 50° (d) 60°

Question No.27 : Given figure is a/an:



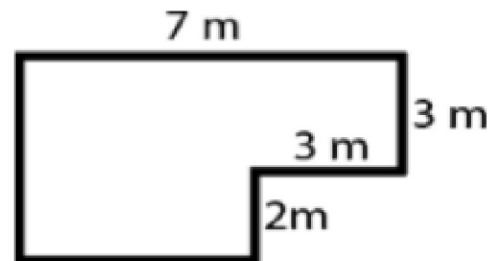
- (a) Concave Polygon (b) Convex Polygon
(c) Regular Polygon (d) Quadrilateral

Question No.29 : The order of rotational symmetry of given figure will be:

will be:

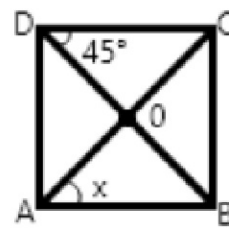
- (a) 20 m/s (b) 30 m/s
(c) 40 m/s (d) 50 m/s

Question No.24 : The area of the given shape is:



- (a) $9 m^2$ (b) $14 m^2$
(c) $21 m^2$ (d) $29 m^2$

Question No.26 : The value of angle x in the given figure is:



- (a) 30° (b) 45°
(c) 60° (d) 90°

Question No.28 : The sum of interior angles of hexagon is:

- (a) 180° (b) 720°
(c) 1080° (d) 1350°

Question No.30 : An example of Continuous data is:

- (a) 15 students (b) 07 eggs

Figure 11.10



- (a) 1 (b) 2
(c) 3 (d) 4

Question No.31 : The mode of the data 2, 3, 4, 5, 6, 7, 4, 8, 4, 9 is:

- (a) 2 (b) 3
(c) 4 (d) 5

- (a) 15 students (b) 97 eggs
(c) 15.5 kg (d) 525 chairs

Question No.32 : The probability of not getting number 1 to rolling a dice is:

- (a) $\frac{1}{3}$ (b) $\frac{2}{3}$
(c) $\frac{1}{6}$ (d) $\frac{5}{6}$

SUBJECTIVE PART(CRQs)

Question No: 33

a) Prove that $\frac{5}{7} \times (\frac{2}{5} - \frac{1}{8}) = (\frac{5}{7} \times \frac{2}{5}) - (\frac{5}{7} \times \frac{1}{8})$ (5 marks)

b) If $U = \{a, b, c, \dots, z\}$, $A = \{a, e, i, o, u\}$ and $B = \{b, c, d\}$ then verify that $(A \cup B)^c = A^c \cap B^c$. (5 marks)

Question No: 34

a) The price of a motorcycle is Rs 110000. Find the GST on it at the rate of 10%. (5 marks)

b) Find 28th term if the general term of sequence is $a_n = 3n + 4$. (5 marks)

Question No: 35

a) Simplify $2x^2 - \{ 4(3x + 2) - (5x^2 - \overline{3x - 2}) \}$ (5 Marks)

b) Solve the linear equation $x - 3 = \frac{5x}{2} - 4$ (5 Marks)

Question No: 36

a) A horse covers a distance of 100km in 5 hours. Find its speed in km/hr. (5 Marks)

b) If $r = 4$ cm and $h = 7$ cm then find the volume of cylinder (5

b) If $r = 1.5\text{ cm}$ and $h = 10\text{ cm}$, then find the volume of cylinder. (5 marks)

Question No: 37

a) Construct a triangle ABC when $m\overline{AB} = 5.6\text{ cm}$, $m\overline{BC} = 4.5\text{ cm}$ and $m\angle B = 45^\circ$. (7 mark)

b) Marks obtained by Bilal in 7 tests are

70, 67, 78, 91, 82, 56, 60. Find the average of the marks obtained by him. (5 marks)