# SCHOOL-BASED ASSESSMENT (SBA) - 2025

# END-OF-YEAR ASSESSMENT

## SUBJECT: MATHEMATICS

## GRADE-7

**FINAL TERM**

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

**School Name:** _____

**Student Name :** _____ **Roll Number :** _____ **Section :** _____

## OBJECTIVE PART(MCQs)

**Question No.1 : The absolute value of $-13$ is:**

(a) $13$ (b) $-13$ (c) $\frac{1}{13}$ (d) $-\frac{1}{13}$

**Question No.2 : The descending order of sequence $1890,\ 2345,\ 1899,\ 2123$ is:**

(a) $2345,\ 2123,\ 1899,\ 1890$ (b) $2123,\ 2345,\ 1899,\ 1890$

(c) $2345,\ 2123,\ 1890,\ 1899$ (d) $1890,\ 1899,\ 2123,\ 2345$

**Question No.3 : The place value of 3 in 73572 is:**

(a) 3 (b) 30 (c) 300 (d) 3000

**Question No.4 : The LCM of 72 and 48 is:**

(a) 121 (b) 169 (c) 144 (d) 112

**Question No.5 : The solution of $30 - [5 + \{(16 + 4) - 5\}]$ is:**

(a) $5$ (b) $10$ (c) $15$ (d) $20$

**Question No.6 : If $A = \{1, 2, 3, 4, 5\}$ and $B = \{3, 5, 6\}$ then $A \cup B$ will be:**

(a) {1,2,3,4,5,6} (b) {1,2,3,4,6} (c) {3,5} (d) {1,2,4,5,6}

**Question No.7 : The set of Prime numbers is denoted by:**

(a) P (b) Z (c) N (d) E

**Question No.8 : Increase 120 in the ratio of 12:10 will be:**

(a) 136 (b) 138 (c) 142 (d) 144

**Question No.9 : If the cost of 15 toys is Rs 2250,then the cost of 5 toys will be:**

(a) Rs 150 (b) Rs 700 (c) Rs 750 (d) Rs 1000

**Question No.10 : If the cost price of a product is Rs.25000 and the selling price is Rs. 23505, Then the loss will be:**

(a) Rs 1485 (b) Rs 1490 (c) Rs 1495 (d) Rs 1500

**Question No.11 : If the area of a square shaped plot is 1444m², then the length of its one side will be:**

(a) 36 m (b) 37 m (c) 38 m (d) 39 m

**Question No.12 : If the general term of sequence is $a_n = 2n^2 - 1$, then its 10th term will be:**

(a) 39 (b) 99 (c) 139 (d) 199

**Question No.13 : The next term of sequence $2, 5, 10, 17, 26, \ldots$ is:**

(a) 35 (b) 37 (c) 45 (d) 50

**Question No.14 : The sum of $3x^2 + 4x + 2$ and $5x^2 + 3x + 7$ is:**

(a) $8x^2 + 7x + 9$ (b) $x^2 + 7x + 9$

(c) $8x^2 + 7x + 7$ (d) $8x^2 + 4x + 9$

**Question No.15 : The like terms are:**

(a) $9x, 6x^2$ (b) $5x^2, 2x^2$ (c) $x^2, x^3$ (d) $8x, x^3$

**Question No.16 : The factorization of $4fg - 16g^2$ is:**

(a) $4g(f - 4g)$ (b) $4g(f + 4g)$ (c) $4g(4g - f)$ (d) $4g(4g + f)$

**Question No.17 : The Product of $-3x^2$ and $7x^3$ is:**

(a) $-21x^5$ (b) $-21x^6$ (c) $21x^5$ (d) $21x^6$

**Question No.18 : The solution of 4y-9 = 11 is:**

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

**Question No.19 : The linear equation of the statement "The price of a pen and two books is 150" is:**

(a) $x + y = 150$ (b) $x + 3y = 150$

(c) $x + 2y = 150$ (d) $3x + y = 150$

**Question No.20 : $(-9, 6)$ lies in quadrant:**

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

**Question No.21 : Minutes in 5 hours 30 minutes are:**

(a) 230 min (b) 330 min (c) 430 min (d) 650 min

**Question No.22 : Kilometers in 5000 meters are:**

(a) 5 km (b) 6 km (c) 7 km (d) 8 km

**Question No.23 : If a car covers 150 km in 3 hours, then its average speed will be:**

(a) 50 Km/h (b) 100 Km/h (c) 150 Km/h (d) 450 Km/h

**Question No.24 : If the radius and height of a cylinder are 5cm and 11cm respectively, then the volume of the cylinder will be:**

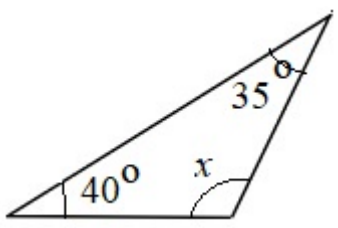
(a) $346.6\ \text{cm}^3$ (b) $589.5\ \text{cm}^3$

(c) $863.5\ \text{cm}^3$ (d) $879.5\ \text{cm}^3$

**Question No.25 : If the radius of a circle is 12 cm, then its circumference will be:**

(a) 70.4 cm (b) 75.4 cm (c) 78.4 cm (d) 80.4 cm

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

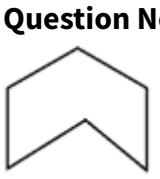



(a) $95^o$ (b) $100^o$ (c) $105^o$ (d) $110^o$

**Question No.27 : The sum of interior angles of pentagon is:**

(a) 180° (b) 360° (c) 540° (d) 720°

**Question No.28 : The given polygon is:**



(a) Concave (b) Convex (c) Simple (d) Irregular

**Question No.29 : The order of rotational symmetry of a regular octagon is:**

(a) 1 (b) 5 (c) 8 (d) 10

**Question No.30 : The example of continuous data is:**

(a) Number of students (b) Height of students (c) Number of toys (d) Number of balls

**Question No.31 : The mean of the data $30, 20, 10$ is:**

(a) 10 (b) 15 (c) 18 (d) 20

**Question No.32 : The probability of not getting 3 in rolling a dice is:**

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

## SUBJECTIVE PART(CRQs)

**Question No: 33**

**a ) Verify $\left[\frac{4}{3}+\frac{2}{5}\right]+\frac{5}{7}=\frac{4}{3}+\left[\frac{2}{5}+\frac{5}{7}\right]$. (5 marks)**

**b ) If $U=\{1,2,3,\ldots..10\}$ and $C=\{1,3,5,7,9\}$, then prove that $C\cap C^c=\emptyset$.(5 marks)**

**Question No: 34**

**a ) Farah saved Rs 1400000 for one year. Find the amount of zakat she has to pay. (5 marks)**

**b ) The general term of a number sequence is $a_n=5n-3$. Find the first three terms of the sequence. (5 marks)**

**Question No: 35**

**a ) Factorize $a^2-10a+21$. (5 Marks)**

**b ) Solve. $4(x-3)+1=6-3(x+5)$ (5 Marks)**

**Question No: 36**

**a ) A college bus travels at 40 km/h speed in the first 2 hours and 50 km/h in the next 3 hours.Find the average speed of the bus. (5 marks)**

**b ) Construct an equilateral triangle XYZ of a side length 6.4cm. (7 marks)**

**Question No: 37**

**a ) Find the exterior angle of a regular polygon with 9 number of sides.(5 marks)**

**b ) The weight of 8 students are $54, 49, 51, 58, 61, 52, 54, 60$ in kgs. Find the median.(5 Marks)**