	SCI	HOOL-B	ASED ASS	ESSMEN	T (SBA)	- 2025	
		END	D-OF-YEAF	R ASSES	SMENT		
				ATHEMATICS ADE-8		FINAL TERM	
School Name		aper A: 48 Mar	ks, Paper B: 52 Ma	rks, Total: 100	Marks], Time =	3 hours	
Student Name : Roll Nur			Roll Numb	ber :		Section :	
			OBJECTIVE	PART(MCQ	s)		
Question No.1	: The number $$	$\overline{3}$ is:		Question No.2 : Terminating decimal fraction is:			
(a) Rational Number	(b) Irrational Number	(c) Natural Number	(d) Integer	(a) $\frac{3}{8}$	(b) $\frac{4}{11}$	(c) $\frac{24}{51}$	(d) $\frac{43}{99}$
Question No.3 : we get:	By rounding 50	).51765 upto thre	ee decimal places,	Question No.4 (a) 4.5	<b>4: The square ro</b> (b) 5.4	ot of 20.25 is: (c) 4.05	(d) 5.04
(a) 50.517	(b) 50.518	(c) 50.527	(d) 50.516	(4)	(2) 01 1	(0)	(2) 010 1
Question No.5	: The square of 3	85 is:		Question No.6: If the length of side of a square shaped garden is 3			
(a) 1005	(b) 1205	(c) 1250	(d) 1225	m, then its ar			
				(a) 30 $m^2$	(b) 90 $m^2$	(c) 900 $m^2$	(d) 9000 $m^2$
Question No.7 : B-A will be:	: If $A=\{1,3,5,$	$\{7\}$ and $B=\{3,$	$\{7, 8, 9\}$ , then	Question No.8 (a) {0,1,2,3}	8: The set of first (b) {2,3,5,7}	(c) {1,3,5,7}	bers is: (d) {3,5,7,9}
	(b) $\{3,7\}$	(c) $\{1, 5\}$	(d) $\{7, 9\}$	(a) {0,1,2,3}	(0) [2,3,3,7]	(C) [1,3,3,7]	(u) {3,3,7,3}
Question No.9 : The number of subsets of set $A = \{1,2\}$ is:			Question No.10: The value of x in the proportion $3:x::x:12$ is:				
(a) 1	(b) 2	(c) 3	(d) 4	(a) 4	(b) 6	(c) 12	(d) 36
Question No.11: Mohsin bought a motorcycle for Rs 80000 and			Question No.12: Rs 4914 into US Dollars are: (1\$ = Rs 273)				
sold it for Rs 88	8000. His profit p	ercentage is:		(a) 197 \$	(b) 180 \$	(c) 18 \$	(d) 19 \$
	(b) 20 $\%$		(d) 90%				
<b>Question No.1</b> 3 (a) 7	B: If $a_n = 2n-$ (b) 9	1, then value of a (c) 11	$a_5$ will be: (d) 13	Question No.14 : The next term of arithmetic sequence $4,9,14,19,\ldots$ will be:			
				(a) 24	(b) 23	(c) 22	(d) 21
-	: The open sent	-		Question No.16 : Factorization of $4x^2{+}13xy+9y^2$ is:			
(a) $3 imes 4=12$	(b) $2+4=6$	(c) $3a^0=3$	(d) $4x+1=4$		$egin{array}{l} x+9y \ x+9y) \end{array}  ightarrow  ightarrow  ightarrow  ightarrow  ho  ho$		<i>c ,</i>
Question No.17	: In scientific n	otation 0.000065	is written as:	Question No.1	18: The solution	of $2x-3>5$ is	:
	6	5	$^4$ (d) $6.5 imes 10^{-3}$	/ \ > 1	(b) $x>2$		( 1)

Question No.20: The equation for the statement "The price of 9 books and 7 pencils is Rs 1050" is:

(a) $9x-7y=1050$	(b) $9+7y=1050$
(c) $9x+7y=1050$	(d) $9x+7=1050$

Question No.22: If the radius of a hemisphere is 7 cm, then its surface area will be:

(a) 462cm²	(b) 362cm²
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Question No.23: If 5 cm and 12 cm are lengths of base and perpendicular of a right angled triangle, then the length of hyptenous will be:

Question No.21 : The slope of the line 3y = 15x + 9 is:

Question No.19 : If 5x + 3y = 11 and x = 1, then the value of y

(c) 10

(c) 5

(d) 13

(d) 15

will be:

(a) 2

(a) 3

(a) 11 cm (b) 12 cm (c) 13 cm (d) 14 cm

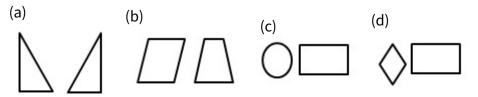
Question No.25: The angle bisector of a triangle divides the angle into equal parts:

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

**Question No.27: Identify the congruent figures:** 

(b) 4

(b) 9



(c) 262cm<sup>2</sup>

(d) 162cm<sup>2</sup>

Question No.24 : A straight line that touches the circle at a single point externally is called:

(a) Chord (b) Secant (c) Tangent (d) Diameter

Question No.26: If the measurment of angles of a triangle are  $m \angle A = 49^{\circ}$  and  $m \angle C = 102^{\circ}$ , then  $m \angle B$  will be: (a)  $29^{\circ}$  (b)  $30^{\circ}$  (c)  $31^{\circ}$  (d)  $32^{\circ}$ Question No.28: If the distance of object and image from centre of enlargement is 3 and 9 units respectively, then the scale factor will be:

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

Question No.29: The weight of 3 students (in kg) is 52,54,62. The mean of the data is:				Question No.30: The example of continuous data is:			
				(a) 6 flowers	(b) 20 girls	(c) 15 balls	(d) 3.5 kg
(a) 53	(b) 55	(c) 56	(d) 65				
Question No.31: If A and B are two independent events, then				Question No.32: If a coin is tossed twice, then the probability of			
Question nois		P		-			
P(AUB) will be				getting two tai	ils is:		

## SUBJECTIVE PART(CRQs)

**Question No: 33** 

- a ) How many pieces of  $rac{3}{4}$  meter of wire can be cut from a wire which is  $23rac{1}{4}$  meters long? (5 marks)
- b ) Find square root of 65025 by division method. (5 marks) Question No: 34
- a ) Verify the commutative law of intersection If A =  $\{1, 2, 3, \dots, 15\}$  and B =  $\{6, 8, 10, 12, \dots, 20\}$  (5 marks)
- b ) Akram purchased a car for Rs 900000 and sold it for Rs 720000. Find his loss percentage. (5 Marks) Question No: 35
- a ) Find the general term of arithmetic sequence 3,7,11,15,19,...... 5 marks )
- b ) Find the value of  $x^2+rac{1}{x^2}$  when  $x-rac{1}{x}=5.$  (5 marks) Question No: 36
- a ) Find the solution of the equations 2x+3y=12 and  $x-y=1\,$  with the help of substitution method. (5 marks)
- b ) Find the volume of a sphere whose radius is 42 cm. (5 marks) Question No: 37
- a ) Construct a rectangle ABCD, when  $m\overline{AB}=5cm$  and  $m\overline{BC}=7cm$ . (7 marks)