| | SCI | HOOL-B | ASED ASS | ESSMEN | T (SBA) | - 2025 | |
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| | | 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 | 4: The square ro (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% | | | | |
| Question No.1 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 |
|------------|------------|
|------------|------------|

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

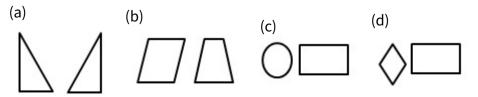
Question No.25: The angle bisector of a triangle divides the angle into equal parts:

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

Question No.27: Identify the congruent figures:

(b) 4

(b) 9



(c) 262cm²

(d) 162cm²

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° (b) 30° (c) 31° (d) 32° 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)