

# KPS School and College Haroonabad

Class: 7<sup>th</sup>

Objective

Paper: Mathematics

T.M:100

Qno1: Encircle the correct option

24x2=48

1:Roster form is also called.

A	Tabular form	B	Descriptive	C	Set Builder notation	D	Finite Set
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2:  $\in$  Mean?

A	Such That	B	Belongs To	C	And	D	or
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3:  $\forall$  Mean

A	Such That	B	And	C	Or	D	Belongs To
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4: Vertical line in a set is read as.

A	Or	B	And	C	Such that	D	Belongs to
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5: C Represents the number

A	Whole	B	Composite	C	Prime	D	integers
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6: Venn Diagrams are also called set.

A	Universal	B	Proper	C	Subset	D	Diagrams
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7: English mathematician John Venn died?

A	1921	B	1922	C	1923	D	1924
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8:  $A \cup \phi =$

A	A'	B	$\cup$	C	$\phi$	D	A
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9: Rectangular region in a Venn diagram represents sets.

A	Disjoint	B	Common	C	Universal	D	Over Lapping
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10: The Symbol for denoting union of set is.

A	$\cap$	B	$\cup$	C	$\wedge$	D	$\vee$
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11: Reciprocal of  $\frac{3}{4}$  is

A	$\frac{3}{4}$	B	3	C	5	D	$\frac{4}{3}$
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12: Reciprocal of Zero is

A	0	B	1	C	2	D	3
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13: Additive inverse of "a" is

A	0	B	-a	C	a	D	b
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14:  $(-)\times(+)=?$

A	+	B	-	C	x	D	÷
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15: The Number  $\frac{a}{b}$  is a rational number where "a" and "b" are integers and b is \_\_\_\_\_?

A	Zero	B	Not zero	C	Less than zero	D	one
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16: A rational number is a number then can be represented in the form of

A	1,P	B	2,q	C	$\frac{1}{2}, \frac{P}{q}$	D	0 P,q
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17:  $\frac{24}{21}$  is equivalent to \_\_\_\_\_?

A	$\frac{8}{7}$	B	$\frac{7}{8}$	C	$\frac{2}{21}$	D	$\frac{3}{2}$
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18: The word decimals means.

A	Eight	B	Nine	C	Ten	D	eleven
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19: the word decimal is derived from the word?

A	Greek	B	Latin	C	Turkish	D	Chinese
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20: The Symbol  $\approx$  stand for

A	Equal to	B	Approximate	C	Not equal	D	Belongs to
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21:Exponents are also called

A	Base	B	Variable	C	Power	D	Value
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22:  $2^4 = 16$  where 2 is

A	Power	B	Base	C	Value	D	Variable
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23:If we sound off 1.4567 to 3 decimal planner we get.

A	1.456	B	1.4567	C	1.457	D	1.455
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24:The result of any calculation is

A	Power	B	Base	C	Value	D	None
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Subjective

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T.M:52

Qno 2: Write any five set in descriptive form.

6

Qno 3: Find Union of the following Set.

$$E = \{2, 4\} \quad F = \{-2, -3\} \quad G = \{0\}$$

3

Qno If  $U = \{\text{set of whole number}\}$   $E = \{0, 2, 4, 6, \dots\}$   $O = \{1, 3, 5, 7, 9, \dots\}$  then Prove that  $E' - O' = O - E$

6

Qno 5: Subtract  $\frac{-9}{14}$  from  $\frac{-5}{42}$

3

Qno 6: Divide  $\frac{-7}{13}$  by  $\frac{14}{39}$

3

Qno 7: Varife  $\frac{3}{7} \times \frac{4}{9} = \frac{4}{9} \times \frac{3}{7}$

Qno 8: Verify distributive property.

6

$$\frac{3}{4} \times \left( \frac{4}{7} + \frac{9}{3} \right) = \left( \frac{3}{4} \times \frac{4}{7} \right) + \left( \frac{3}{4} \times \frac{9}{3} \right)$$

Qno 9(a): Round of the number to 3 decimal places 0.34257

2

(b): 9.342 upto 1 decimal place.

2

Qno 10: Find terminating or not.

(a):  $\frac{70}{15} = ?$                       (b)  $\frac{11}{10} = ?$

6

Qno 11: Verify  $\left(\frac{1}{4} - \frac{1}{5}\right) \times \frac{2}{5} = \left(\frac{1}{4} \times \frac{2}{5}\right) - \left(\frac{1}{5} \times \frac{2}{5}\right)$

6

Qno 12: If  $U = \{1,2,3,10\}$      $A = \{1,4,8,9,10\}$      $B = \{2,3,4,7,10\}$  then verify through venn diagram  $A' \neq B'$