Time-3 hrs **September exam 2022** **MM 80**
Class 7th **Paper Mathematics**
Note :- All questions are compulsory.
1. Multiple choice (Each sum carry one marks):– 1×16=16

(1) Smallest natural is …….

(a) 0 (b) 1 (c) −1 (d) None of these

(2) (−5) + (5) = ……

(a) −10 (b) 5 (c) 10 (d) 0

(3) What fractionof a day is 8 hours?

(a) $\frac{1}{2}$ (b) $\frac{3}{4}$ (c) $\frac{8}{24}$ (d) $\frac{2}{3}$

(4) 27 of $\frac{2}{3}$ =……

(a) 15 (b) 16 (c) 17 (d) 18

(5) Reciprocal of $\frac{3}{4}$ =……

(a) $\frac{3}{4}$ (b) $\frac{4}{3}$ (c) 1 (d) None of these

(6) Place value of 2 in 3.02 = ……

(a) 2 (b) 20 (c) $\frac{2}{10}$ (d) $\frac{2}{100}$

(7) Find the value of 1.5×8 ……

(a) 1.2 (b) 1.20 (c) 12 (d) 0.12

(8) Find the mode 1,1,2,4,3,2,1,2,2,4

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

(9) If X-2=6 then find the value of X=?

(a) 2 (b) 6 (c) 8 (d) 4

(10) Write the sentence into equation.

The sum of x three times and 11 is 32.

(a) 3x-11=32 (b) $\frac{x}{4}$ +11=32 (c) x+3+11=32 (d) 3x+11=32

(11) Equal to its complementary is ……..

(a) 90^0 (b) 45^0 (c) 180^0 (d) None of these

(12) Complementary of 38 is……

(a) 90^0 (b) 180^0 (c) 52^0 (d) None of these

(13) Pair of supplementary angles ……

(a) 55^0,115^0 (b) 65^0 ,125^0 (c) 47^0 ,133^0 (d) 40^0,50^0

(14)Two angles are called …… If the sum of there measures is 180
(a) complementary (b) Supplementary (c) Right ang (d) None of these

(15) Convert 25% into decimal form.

(a) 0.25 (b) 0.025 (c) 250 (d) None of these

(16) $\frac{4}{7} = \frac{\cdots\cdots}{28}$

(a) 20 (b) 24 (c) 28 (d) 16 1×16=16

Question 2 True/False 1X8=8

(1) The largest negative integer is 1
(2) The inverse of proper fraction is an improper fraction.
(3) The product of a decimal number and a digit is always zero.
(4) The sum of the angles combinationis 180.
(5) The solution of the eqcation X-2=0 is 2.
(6) Profit=SP-CP
(7) $0<\frac{-4}{9}$
(8) Reciprocal of 1is 1

Question 3 Fill in the blanks:– 1X8=8

(1) 0 is greater than every ……..integer.
(Positive, Negitive, Both ,None)

(2) 1.3×7=…… (0.91,91,9.1,910)

(3) 1.25×10= ..... (0.125, 125, 12.5, 1.25)

(4) Seven times a number is 42.write an equcation.

(7×=42, $\frac{7x}{42}$, 7×−42 , $\frac{x}{7}$+42)

(5) Two angles are called ..... If the sum of there measures is 90 (complementary,Supplementary,Right angles, None of these)

(6) Write in Fraction: 50% ($\frac{1}{5}, \frac{1}{2}, \frac{1}{3}, \frac{1}{4}$)

(7) $\frac{9}{5} \times \frac{3}{7} = \frac{\text{.....}}{\text{.....}}$ ($\frac{9}{7}, \frac{3}{5}, \frac{27}{35}, \frac{35}{27}$)

Part–B

4. Solve $\frac{6}{9} + \frac{2}{9}$

5. A bag contain 3 Red and 7 Green balls . One ball is drawn at random from the bag. Find the probability of getting (1) Red ball (2) Green ball

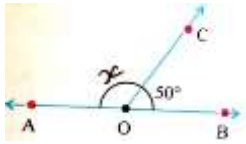
6. Evaluate

$\frac{4}{7} \times \frac{8}{3}$

7. Find the value of: $-9 \div \frac{3}{5}$

8. Write the Equivalent ratio of $\frac{2}{3}$

9. In fig. AOB is a straight line . Find the value of X



10. In fig. l ∥ m . Find the value of x.

11. Find the supplementary angle of 120. 2×8=16

Part-C

12. Find the value of (−5)×(4)×(−3)

OR

By which number -240 should be divided to get 16.

13. $4\frac{3}{5} \div 4\frac{1}{3}$

14. Solve the equation 6X+10=-2

OR

Adding 7 to 5times gives 57. Find the number.

15) Out of 25 radio sets , 13 are defective. Find the percentage of correct radio sets

OR

The population of a city reduced from 25000 to 24500. What is the percentage of decreased population. 4×5=20

Part-D

17) A batsman scored runs in 6 innings as follows 36,35,50,46,60,55 Find the mean.

OR

The age in years of 10 teacher of a school are: 32,41,28,54,35,26,23,33,38,40

(1) What is the age of the oldest teacher and that of the younest teacher?

(2) What is the range of the ages of the teachers?

(3) Whatis the mean age of the teachers ?

18) Following data gives totalmarks (out of 600) obtained by six students of a particular class.Represent the data on a bar graph.

Students	Ajay	Bali	Dipti	Faiyaz	Geetika	Hari		
Marks obtained	450	500		300		360	400	540

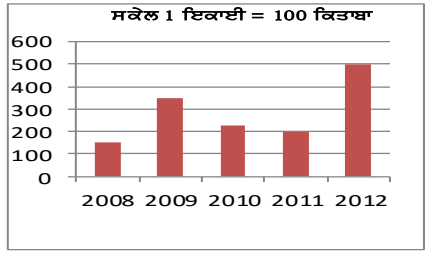
OR

The following bar graph shows the number of books sold by a bookstore during five consecutive years.Read the bar graph and answer the following questions:

(1) About how many books were sold in 2008,2009 and 2011 years?

(2) In which years 475 were sold? And in which years about 225 books were sold?

6×2=12



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