I. Objective Questions

A. Multiple Choice Questions: [0.5 x 29 = 14.5]

Choose the correct options:

Q1. Match the following

(A) $\frac{1}{2}, \frac{1}{3}, \frac{1}{4}, \frac{1}{5} \Rightarrow$	1. Like fractions
(B) $\frac{3}{4}, \frac{5}{6}, \frac{7}{8} \Rightarrow$	2. Unit fractions
(C) $8\frac{3}{4}, 7\frac{8}{9}, 6\frac{2}{3} \Rightarrow$	3. Proper fractions
(D) $\frac{8}{5}, \frac{9}{5}, \frac{10}{5}, \frac{11}{5} \Rightarrow$	4. Mixed fractions

A. A-3, B-2, C-4, D-1
B. A-2, B-3, C-4, D-1
C. A-4, B-2, C-3, D-1
D. A-2, B-3, C-1, D-4

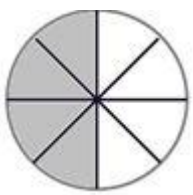
Q2. If numerator is more than denominator, the fraction is called.

A. Like fraction
B. Improper fraction
C. Proper fraction
D. unit fraction

Q3. If all the fractions have same denominator, these are called

A. Like fractions
B. Unlike fractions
C. Similar fractions
D. Simple fractions

Q4. Which of the following is wrong about following figure?



A. 4/8
B. 1/2
C. 2/4
D. 1/3

Q5. Which of the following are equivalent fractions?

A. $\frac{2}{3}, \frac{4}{6}, \frac{6}{9}, \frac{8}{12}$
B. $\frac{1}{2}, \frac{1}{3}, \frac{1}{4}, \frac{1}{5}$
C. $1\frac{1}{2}, 1\frac{1}{3}, 1\frac{1}{4}, 1\frac{1}{5}$
D. $\frac{8}{7}, \frac{8}{6}, \frac{8}{5}, \frac{8}{4}$

Q6. Which of the following is not equivalent fraction of 3/5

A. 6/10
B. 9/15
C. 12/20
D. 15/30

Q7. What number should be placed inside the box to make it equivalent fraction $\frac{2}{7} = \frac{6}{?}$

A. 21
B. 14
C. 12
D. 28

Q8. $\frac{2}{5} = \frac{2A}{10} = \frac{10}{B}$

A. A = 4,B = 20
B. A = 5,B = 25
C. A = 4,B = 25
D. A = 5,B = 20

Q9. $\frac{8}{10} = \frac{4}{A} = \frac{B}{4}$

A. A = 8,B = 4
B. A = 8,B = 8
C. A = 8,B = 2
D. A = 32,B = 8

Q10. Changing the order of multiplication of the fractions change the result. Mark True / False.

a) True b) False

Q11. 100 x $5^2/_5$ = _____

a) 450 b) 45
c) 540 d) None of these

Q12. 7 times $4\frac{2}{7}$ = _____

a) 28 b) 30
c) 56 d) $7\frac{2}{7}$

Q13. $\frac{3}{8} \times \frac{2}{5}$ = _____

a) $\frac{20}{3}$ b) $\frac{3}{20}$
c) $\frac{6}{40}$ d) Both B & C

Q14. When any fraction is divided by itself, then the result will be _____?
a) 0 b) Same fraction
c) 1 d) None of these

Q15. $2\frac{2}{3} \times 4\frac{2}{5}$ = _____

a) $\frac{8}{3}$ b) $\frac{22}{5}$
c) $\frac{176}{15}$ d) None of these

Q16. The reciprocal of proper fraction is not an improper fraction. Mark True / False.

a) True b) False

Q17. John cycles $5\frac{2}{4}$ miles every day, how many distance will he cover in 16 days?

a) 68 miles b) 78 miles
c) 88 miles d) 98 miles

Q18. A fractional number is greater than 50, it s reciprocal will be _____.

a) Less than 50 but more than 1.
b) Must be greater than 50.
c) Must be less than 1.
d) Must be equal to 1

Q19. Reciprocal of a proper fraction is _____ than 1.

a) Lesser b) Equal
c) Greater d) None of these

Q20. Calculate the train fare for 1200 miles at $5\frac{2}{3}$ rupees per miles.

a) Rs. 5800 b) Rs. 6800
c) Rs. 7800 d) Rs. 8800

Q21. A fraction when multiplied by $\frac{6}{5}$ gives 1. Find the fraction.

a) $\frac{6}{5}$ b) $\frac{5}{6}$
c) $\frac{6}{7}$ d) None of these

Q22. John has $^{3}/_{5}$ kg of chocolates. He distributed all the chocolates equally among his 3 friends. How many chocolates each friend will get?

a) $^{1}/_{5}$ kg b) $^{2}/_{3}$ kg
c) $^{1}/_{4}$ kg d) None of these

Q23. When the fraction $^{6}/_{35}$ is divided by A, the result is $^{1}/_{7}$. What is the value of A?

a) $^{6}/_{5}$ b) $^{5}/_{6}$
c) $^{2}/_{5}$ d) None of these

Q24.Two fractions are equivalent if their cross multiplications are _____.

a) Equal b) Not equal
c) 1 d) Zero

Q25. Fractions which have common denominator are known as _____ fractions.

a) Like b) Unlike
c) Proper d) Equivalent

Q26. Fractions with different denominators are known as _____ fractions.

a) Like b) Unlike
c) Proper d) Equivalent

Q27. _____ - $^{3}/_{5}$ = $^{3}/_{5}$

a) $^{3}/_{5}$ b) $^{6}/_{5}$
c) $^{5}/_{3}$ d) None of these

Q28. How many one eighths make one?

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

Q29. 24/5 is a number between

a) 2 and 3 b) 4 and 5
c) 5 and 6 d) None of these

B. Short answer Questions: [1 x 9 = 9]

Q1. Which fraction should be added to $^{4}/_{5}$, so that the result will be $^{5}/_{4}$?

a) $^{3}/_{20}$ b) $^{7}/_{20}$
c) **$^{9}/_{20}$** d) None of these

Q2. There are 600 students in a school. $^{4}/_{5}$ of them went to see a cricket match. How many students did not go to see the match?

a) 480 b) 120
c) 220 d) 420

Q3. X is 3 times of Y. If X = $^{2}/_{5}$, then find the value of X + Y.

a) $^{4}/_{5}$ b) $^{7}/_{5}$
c) $1^{3}/_{5}$ d) $^{3}/_{5}$

Q4. Which number should be multiplied by $^{24}/_{25}$ so that the resulting fraction becomes $^{8}/_{5}$

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

Q5. A man won 2700000 dollars from a lottery. He spent $^{2}/_{3}$ of the money to buy a new house and bought a new car for 24500 dollars. How much money remained with him?

a) $ 875500 b) $ 855700
c) $ 785500 d) None of these

Q6. A container has 10 litres of water. All the water to be filled in $^{1}/_{4}$ litre capacity bottles. How many bottles will be needed?

a) 20 b) 25
c) 30 d) 40

Q7. One sixth population of a town is female. If the population of females is 72000, then what is the population of the town?
a) 431000 b) 4320000
c) 432000 d) None of these

Q8. A bike covers 650 miles in $2^{3}/_{5}$ hours. How much distance it will cover in one hour.

a) 200 miles b) 220 miles
c) 230 miles d**)** 250 miles

Q9. John read $^{2}/_{5}$ of a book. He finds that there are still 90 pages left to be read. What is the total number of pages in the book?

a) 200 b) 150
c) 250 d) 300

Extra questions for assignment: (isn't part of test)

1. 4/7 of a number is 84. Find the number.

2. Rachel took 1/2 hour to paint a table and 1/3 hour to paint a chair. How much time did she take in all?

3. If $3\frac{1}{2}$ m of wire is cut from a piece of 10 m long wire, how much of wire is left?

4. One half of the students in a school are girls, 3/5 of these girls are studying in lower classes. What fraction of girls are studying in lower classes?

5. A herd of cows gives 4 litres of milk each day. But each cow gives one-third of total milk each day. They give 24 litres milk in six days. How many cows are there in the herd?

6. Sean buys 25 stickers on Monday and 17 on Tuesday. On Wednesday, he gives 5/6 th of his stickers to James. How many does he have left?

7. Hannah has 72 sweets in a bag. She keeps 1/3rd of them for herself and shares the rest with friends. How many sweets will she give to her friends?

Answers:

1	B	17	C	3	C
2	B	18	C	4	B
3	A	19	C	5	A
4	D	20	B	6	D
5	A	21	B	7	C
6	D	22	A	8	D
7	A	23	B	9	B
8	C	24	C		
9	C	25	A		
10	B	26	B		
11	C	27	B		
12	B	28	D		
13	D	29	B		
14	C	**SAQs**			
15	C	1	C		
16	B	2	B		