Department of Mathematics

OBJECTIVE TYPE (1 Mark)

Q1	What fraction of a day is 6 hours?							
	A	$\frac{1}{4}$	**B**	$\frac{2}{4}$	**C**	$\frac{5}{4}$	**D**	$\frac{3}{4}$
Q2	Which two fractions are not equivalent?							
	A	$\frac{1}{4}$ and $\frac{2}{8}$	**B**	$\frac{3}{5}$ and $\frac{15}{25}$	**C**	$\frac{1}{4}$ and $\frac{1}{8}$	**D**	$\frac{10}{40}$ and $\frac{20}{80}$
Q3	Arrange in ascending order: a) $\frac{3}{13},\frac{5}{13},\frac{1}{13},\frac{9}{13},\frac{4}{13}$							
	A	$\frac{1}{13},\frac{3}{13},\frac{4}{13},\frac{5}{13},\frac{9}{13}$	**B**	$\frac{3}{13},\frac{5}{13},\frac{1}{13},\frac{12}{13},\frac{9}{13}$	**C**	$\frac{3}{13},\frac{5}{13},\frac{1}{13},\frac{4}{13},\frac{9}{13}$	**D**	$\frac{3}{13},\frac{5}{13},\frac{1}{13},\frac{12}{13},\frac{9}{13},4$
Q4	The sum of $\frac{3}{16}+\frac{5}{16}$ is							
	A	$\frac{1}{16}$	**B**	$\frac{1}{2}$	**C**	$\frac{1}{8}$	**D**	$\frac{1}{3}$
Q5	Write fraction equivalent to $\frac{20}{150}$ with numerator 4.							
	A	$\frac{4}{10}$	**B**	$\frac{4}{20}$	**C**	$\frac{4}{30}$	**D**	$\frac{4}{50}$
Q6	Which of the following is not in the lowest form?							
	A	$\frac{51}{46}$	B	$\frac{25}{41}$	C	$\frac{5}{4}$	D	$\frac{15}{24}$
Q7	Grip size of tennis racket is $11\frac{9}{80}$. Express the size as improper fraction?							
	A	$\frac{889}{80}$	**B**	$\frac{880}{80}$	**C**	$\frac{888}{80}$	**D**	$\frac{88}{80}$
Q8	What fraction point A, B, C and D represents on number line.							
	A	$\frac{5}{4},\frac{1}{4},\frac{2}{4},\frac{4}{4}$	**B**	$\frac{1}{4},\frac{2}{4},\frac{3}{4},\frac{4}{4}$	**C**	$\frac{1}{4},\frac{3}{4},\frac{5}{4},\frac{6}{4}$	**D**	$\frac{1}{4},\frac{2}{4},\frac{5}{4},\frac{6}{4}$

Q9	Write the natural numbers from 2 to 14. What fraction of them are prime numbers?							
	A	$\dfrac{4}{13}$	**B**	$\dfrac{4}{14}$	**C**	$\dfrac{4}{15}$	**D**	$\dfrac{6}{13}$
Q10	The food we eat remains in the stomach for a maximum of 4 h. For what fraction of a day, does it remain there?							
	A	$\dfrac{1}{6}$	**B**	$\dfrac{1}{5}$	**C**	$\dfrac{1}{7}$	**D**	$\dfrac{1}{4}$

FILL IN THE BLANKS (1 MARK)

Q11	In a ——— fraction the numerator is always less than the denominator
Q12	In a ——— fraction the numerator is bigger than the denominator.
Q13	Ali divided one fruit cake equally among six people. What part of the cake he gave to each person———
Q14	A cup is 1/3 full of milk, what part of the cup is still to be filled by milk to make it full?
Q15	Fractions with same denominators are called ———

SECTION B- (2 MARKS)

Q16	Reema read $\dfrac{2}{7}$ of a book and Reena read $\dfrac{5}{7}$ of the same book. Who read more?
Q17	A piece of wire is $\dfrac{7}{8}$ metre long and another is $\dfrac{2}{3}$ metre. If both are joined together how long is the new wire so formed?
Q18	Sunil purchased $2\dfrac{1}{3}$ L of juice on Monday and $4\dfrac{1}{3}$ L of juice on Tuesday. How many litres of juice did he purchase together in two days?
Q19	Ria scored 25 marks out of 30 in math's test and 35 marks out of 40 in science test. In which test has she scored better?
Q20	Two vessels together contain $5\dfrac{1}{6}$ liters of milk. If one vessel contains $3\dfrac{5}{6}$ litre of milk, find the milk contained in another vessel.

SECTION C- (4 MARKS)

Q21	Katrina rode her bicycle $6\dfrac{1}{2}$ km in the morning and $4\dfrac{3}{8}$ km in the evening. Find the distance traveled by her altogether on that day.
Q22	fish caught by Neetu was of weight $3\dfrac{3}{4}$ kg and the fish caught by Narendra was of weight $2\dfrac{1}{2}$ kg. Whose fish weigh more and by how much?
Q23	Roma gave a wooden board of length $150\dfrac{1}{4}$ cm to a carpenter for making a shelf. The Carpenter sawed off a piece of $40\dfrac{1}{5}$ cm from it. What is the length of the remaining piece?

Q24	A recipe requires $2\frac{3}{4}$ cup milk and $2\frac{2}{3}$ cup flour What is required in more quantity and by how much?
Q25	Sam purchases $15\frac{7}{8}$ kg of potatoes, $3\frac{1}{4}$ kg of tomatoes, and $4\frac{4}{2}$ kg of onion. find the total weight of vegetables he bought?

Answer key

1	A: $\frac{1}{4}$	2	c: $\frac{1}{4}$ *and* $\frac{1}{8}$	3	A: $\frac{1}{13},\frac{3}{13},\frac{4}{13},\frac{5}{13},\frac{9}{13},\frac{12}{13}$	4	B: $\frac{1}{2}$		
5	C: $\frac{4}{30}$	6	D: $\frac{15}{24}$	7	A: $\frac{889}{80}$	8	C: $\frac{1}{4},\frac{3}{4},\frac{5}{4},\frac{6}{4}$		
9	D: $\frac{6}{13}$	10	A: $\frac{1}{6}$	11	proper	12	Improper		
13	$\frac{1}{6}$	14	$\frac{2}{3}$	15	like	16	Reena, $\frac{3}{7}$		
17	$\frac{37}{24}$	18	$6\frac{2}{3}$ L	19	science	20	$1\frac{2}{6}L$		
21	$10\frac{7}{8}$	22	Neetu, $\frac{5}{4}$	23	$146\frac{1}{20}$	24	Milk by $\frac{3}{4}$		
25	$25\frac{1}{8}$ kg								