

# VII - Mathematics Assignment No - 05 - Comparing Quantities.

## Percentage (%)

- (Q1) Convert the following percentage into fractions
- (a) 25%    (b)  $12\frac{1}{2}\%$     (c) 35%    (d) 55%
- (Q2) Convert the following fractions into percentages
- (a)  $\frac{3}{5}$     (b)  $\frac{100}{3}$     (c)  $\frac{3}{50}$     (d)  $\frac{25}{2}$
- (Q3) Find 20% of 50
- (Q4) What % of 15 is 75?
- (Q5) What % of 4 litres is 300 ml?
- (Q6) Find the number whose 27% is 540.
- (Q7) A child got 38 marks out of 40. Find his marks in percentage.
- (Q8) Arun's monthly salary is Rs 5000/- He saves 25%. Find his expenditure.
- (Q9) An alloy is made up of 25% copper, 35% nickel and the rest is zinc. Find the mass of zinc in 800 kg of the alloy.

Cont Pg-2

(Q10) Anila obtained 650 marks out of 800 and his friend Sunila obtained 450 marks out of 600 in an examination. Whose performance is better?

(Q11) Convert 1: 2 : 5 into %.

(Q12) The population of a town in 2008 was 1800000 and in 2009 was 2100000. Find the increase in percentage.

(Q13) After spending 69% of his monthly earning a man saves Rs 2108. Find his monthly salary.

(Q14) The reduced price of a fridge after allowing 10% discount is Rs 11700. Find the original price.

(Q15) Anil gets 60 marks and fails by 20 marks in an English paper where the maximum marks are 200. Find the pass %.

ANSWERS:

(Q1) (a) $\frac{1}{4}$	(b) $33\frac{1}{3}\%$ .	(Q5) $\frac{15}{2}\%$ .	(Q10) Anila
(b) $\frac{1}{8}$	(c) 6%.	(Q6) 2000	(Q11) $12\frac{1}{2}\%, 25\%, 62\frac{1}{2}\%$ .
(c) $\frac{7}{20}$	(d) 1250%.	(Q7) 95%.	(Q12) $16\frac{2}{3}\%$ .
(d) $\frac{11}{20}$	(Q3) 10	(Q8) £3750	(Q13) £ 6800-00
(Q2) (a) 60%.	(Q4) 500%.	(Q9) 320kg	(Q14) £ 13000-00
			(Q15) 40%.