Q2. 1. If 4 workers can make 3 tables in 6 days, how many days will 8 workers require to make 5 tables.

2. A,B, and C started a business with a total capital of Rs. 3,00,000 . At the end of the year, the profit received by A,B and C were Rs.10,000, Rs.25,000 and Rs. 15,000 respectively. Find the amounts of capital invested by A,B and C.

3. Monthly incomes of A and B are in the ratio 7:4 and their expenditure are in the ratio 9:5 .Each of them saves Rs.10,000 . Find their incomes.

4. Anita, Binita and Sunita invested Rs. 70,000, Rs. 50,000 and Rs. 80,000 respectively in a business. At the end of year Sunita received Rs. 16000 as her share in the profit. Find Anita s' and Binita s' in profit.

5. 40 workers can make 16 shelves in 8 days .How many days will 30 workers take to make 24 shelves?

6. The monthly incomes of Albert and John are in the ratio 10:9 and their expenditure are in the ratio 6:7 . If Albert saves Rs.29,000 per month and John saves Rs.10,000 per month , then find their monthly incomes.

Q3. 1. A property was sold through a broker for Rs. 45 lacs. Who charged 2.25% brokerage from the buyer and 0.25% brokerage from the seller. Find the amount paid by the buyer. Also find the amount received by the seller and the broker.

2. A company fixed rate of commission to its salesman as follows: 4% of the first Rs. 10,000, 6% on the next 10,000, 8% on next 9,000 and 10% on balance. The company pays incentive at ½ % of total sales if the total sales crossed Rs. 50,000. Find the total of earning salesman who secured sales worth Rs. 59,000 .

3. A merchant gave 10% trade discount and further 10% cash discount and sold a refrigerator for a net price of Rs. 8,100 and still made 62% profit on cost. Find the list price and the merchant's cost price.

4. A person earned 12% profit by selling an article at Rs.4,144.What would have been the selling price if he had sold it at 16% profit.

5. A firm allows a trade discount of 25% on the list price and further discount of 10% on cash payment. Find the cost price of an item, which is marked at Rs 900/- and is sold with a profit, at the rate of 35%.

6. Two T.V. sets were sold at Rs. 9,100 each and thus a 30% profit was gained on one and a 9% loss was incurred on the other. If both the T.V. sets are considered together, find the percentage profit or loss.

Q4. 1. A loan of Rs. 80,000 is to be returned in 3 monthly instalments at the rate of 12% p.a. compounded monthly. Find the EMI using the reducing balance method. Find the interest and principal repayment for each month .

2. On what sum of money will the difference between the compound interest and the simple interest for 2 years at 6% p.a. will be Rs. 27.36?

3. Mr. Kumar invested Rs. 40,000 at the end of each year in a financial institution that offered him interest compounded at 8% p.a. What is the amount accumulated at the end of 4 year ?

4.   Mr. Khanna invested Rs. 50,000 at the end of each year in a financial institution that offered him interest compounded at 8% p.a. What is the amount accumulated at the end of 5 year ?

5. Mr. Rajesh Patil borrowed totally Rs.80,000 from two known people. For one loan, he paid 18% p.a. and for the second loan he paid 25% p.a. After a year, he paid Rs.15,800 as simple interest. How much money did he borrow at each rate.

6.   Mihir took a loan of Rs. 50,000 from a company for a period of 1 year at 12% p.a. Find the EMI, using reducing balance method. Find the interest component and the principal component for first two months

Q5. 1.   Mr. Ramesh invested a sum of money in Rs. 100 shares quoted at a 20% premium. At 15% he received a total dividend of Rs.5,400. Find his total investment and the rate of return on his investment.

2.   Mr. Das invested Rs.10,000 in 'HDFC Liquid Fund-Growth' on 13/02/07 at NAV of Rs. 14.7228 and redeemed all the units on 01/08/07 when the NAV was Rs. 15.2640. Find his total gain and the rate of return

3.   Ms. Seema bought 300 shares of a company of face value Rs. 100 each at a market value of Rs. 240 each. After receiving a dividend at 8%, she sold the shares at Rs.256 each. Find her rate of return on investment. There was no brokerage involved

4. Ms. Manisha purchased 700 Rs. 100 shares at Rs.350 each. After getting a 10% dividend, she sold all of them at Rs. 400 each. The brokerage she paid was 0.3% on purchase and 0.2% on sale. What was her total gain and the rate of return on investment.

5. Jitesh invested Rs.15,000 in a mutual fund when NAV was Rs.230 and the entry load was at 2.25% . Find the number of units received by him**.**

6. Mr. Raj purchased 113.151 units of SBI mutual fund on 9/4/16 and redeemed all the units on 7/8/16 when the NAV was Rs. 35.5573. The entry load was 2.25% and the exit load was 1%. If he gained Rs. 483.11, find the NAV on 9/4/16.