FYBCBI - (0-M-(06)

DURATION: 2 1/2 HOURS

SEAT NUMBER:

Q3) (C)Monthly income of A and B are in the ratio 7:4 and their expenditures are in the ratio 9:5. Each of them saves Rs. 10000. Find their incomes. (CO3,A)

Q3) (D)MR. X,Mr, Y, and Mr. Z are partners with ratio 5:3:2 in the first six months company gets profit of Rs. 300000 and in next six months company gets profit of Rs. 200000. Find the profit of each partner in entire year. (CO2.A)

(Q4) (A) The following table gives the probability distribution of the return of two shares X and Y. Find the expected value and the total risk for both shares and comment. (CO2,A)

State of economy	1	2	3	4	5	
Probability	0.10	0.20	0.35	0.25	0.10	
Returns of share X (%)	5	6	7	8	9	
Return on share Y (%)	3	5	7	9	a 11	

Q4) (B)Mr. Guddu purchase some shares of a company for Rs. 625 each and sold them 6 months later at Rs. 735 each. In the meanwhile, he received a dividend of Rs. 40 per share. Find his return for the 3 months holding period and the annualised return. (CO2,A,U)

OR
$$(Q4) (C) \text{If } A = 5 \qquad \begin{array}{cccc} & & & & & & & & & & & & \\ & & -7 & & 4 & & & & & & & & \\ & & -5 & & 4 & & 8 & & & & & \\ & & 6 & & 5 & & -4 & & & & & & \\ \end{array}$$
8M

Q4) (D)Find three positive numbers in the ratio 3:5:2 such that the sum of their squares is equals to 2432. (CO3,A)

Q5) Write Short Notes (Any 3)

15M

- 1) Economic Indicators (CO1,U)
- 2) Types of matrices (CO3,R)
- 3) What is ratio and types (CO2,U)
- 4) Null hypotheses (CO1,R)
- 5) Cramer's rule (CO2,3,R,U)

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