MCA 201: Computer Oriented Operations Keslarch (Coop Important Questions Unit-I 4M 0 Define Linear Programming (LP) with an example 10MD Explain the Importance applications Uses of LP 4M3) what are the advantages and disadvantages of LP 4M (4) write the general form of LPP What are the Steps in the formulation of LPP 4M (5) 1046 Explain the Computational procedure of graphical method of Solution in a LPP Explain the Simplex afgorithm/ method of Solution IOM (1) What are the principle of duality? 4m(8) Problems on graphical method of LPP Problems on Simplex Big M Two-Phase Simplex method of LPP Unit-II who was a sold of ward of Define Transportation Problem (TP) with an example **4**11 ① write the mostlematical model for TP. 4M @ 4M3 what are the different types of Transportation Problems? 40 (40) Explain the method of finding an IBFS by NCWR/LCM/ Explain the method of finding an optimum optimal solution by U-V/MODI method. 10n (5)

Define Assignment Problem (AP) with an example 4m 6 write the mathematical model of AP 4m (1) 8m (8) white the applications uses of AP Explain the Hungarian Assignment method of solving an AP. 10M(g) 10m(10) Problems to find an IBFS/ Optimum solution of a TP lum(11) Problem to find the optimum assignment schedule of an AP Explain the Systematic method | Digkstras Algorithm |
Floyid's algorithm in Shortest-Path model in Notwork
techniques. SMION techniques.

DEXPlainte prim Algorithm/ Krushkal's Agorithm Kaximan Spanning ention tree Problem ing Network techniques. (3) Explain the LP Modelling and Maximal Flow Rockers in Maximal Flow problems of Networks O what is a game? Also explain the different tappes of @ what are the properties of germe? 3 Explain: Pure Strategy, Mixed Strategy and optimal Strategy.

Explain: Pay-off matrix, Saddle Point and blue of the game

6 Explain the Maximin-Mintmax principle in Jame theory 6 Explain the procedure for 2x2 garmes cultiout haddle Point 1 Explain the dominance Property in game there (8) Explain the graphical method of Solution for 2×n and mx2 games. broppens as . down - Hogh ( All the sectures?) (10) Explain the arithmetic method for nxn games in the queueing System and also elements. @ Explain the Basic structure of Dueueing (3) Explain the classification of Ducueing models (10) Defire Dueue (or, Waiting line. What are to advantages and limitations of Duellering Hoby. Explain to Importance applications of successing theory. Operating What are scharacteristics of sucueing theory ? problems on survey model-I&I Explain the Poisson and Non-Poisson accurring systems.

estat is a return Project & analysis? explain the Computational Procedure for CPM in networks? Explain the Computational procedure for PERT (12) analysis in returbles? (13) Distinguish between CPM and PERT (4) Problems on CPM B Problems on PERT Bulling parameter on the survey After Such Control of Colonia Colonia ent the plant of material to a symmetre - Lawrence & Louds Harris Law 1954 To Harris Mary 1953 The production of the second s

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