SF-sem-TV-old-compations AOAD

12/15

Q.P. Code: 1497

	(3 Hours)	[Total Marks : 100
N.B.	(1) Question No.1 is compulsory.(2) Attempt any four out of remaining six questions.	
1. (a) (b)	Explain asymptotic notations. Explain binary search with an example.	10
, ,	Explain strassen's matrix multiplication. Explain knapsack problem using greedy method.	10 10
	Explain kruskal's algorithm to find minimum spanning tree. Explain quick sort with an example and comment on its con	.10
, ,	Discuss all pair shortest path algorithm and specify its comp Explain travelling salesperson problem with an example.	olexity. 10 10
	Explain 8-queen problem. Explain tries with an example.	10 10
` '	Explain 15 puzzle problem as an exaple of LC search. Explain Graph colouring problem	10 10
7. Wri	te short notes on : (a) Optimal storage on tapes (b) Randomised algorithm (c) Finding min and max using divide and conquer	20 strategy
	(d) Job sequencing with deadlines.	