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EXP. NO.	DATE	TITLE	PAGE	REMARKS
20.		Design an algorithm and implement it using a program to solve previous question's problem using Bellman- Ford's shortest path algorithm.	66-68	
21.		Given a directed graph with two vertices. Design an algorithm and implement it using a program to find the weight of the shortest path from source to destination with exactly k edges on the path.	69-70	
22.		Assume that a project of road construction to connect some cities is given to your friend. Map of these cities and roads which will connect them is provided to him in the form of a graph. Certain amount of rupees is associated with construction of each road. Your friend has to calculate the minimum budget required for this project. The budget should be designed in such a way that cost of connecting the cities should be minimum and no. of roads required to connect all the cities should be minimum. He asks you for help. Now, you have to help your friend by designing an algorithm which will find minimum cost required to connect these cities. (use Prim's algorithm)	71-73	
23.		Implement the previous problem using Kruskal's algorithm.	74-76	
24.		Assume that same road construction project is given to another person. The amount he will earn from this project is directly proportional to the budget of the project. This person is greedy, so he decided to maximize the budget by constructing those roads who have highest construction cost. Design an algorithm and implement it using a program to find the maximum budget required for the project.	77-79	

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