

RK UNIVERSITY
SCHOOL OF ENGINEERING
TCIE - II (March-2024)

Program: B. Tech.

Semester: VI

Date : 01/03/2024

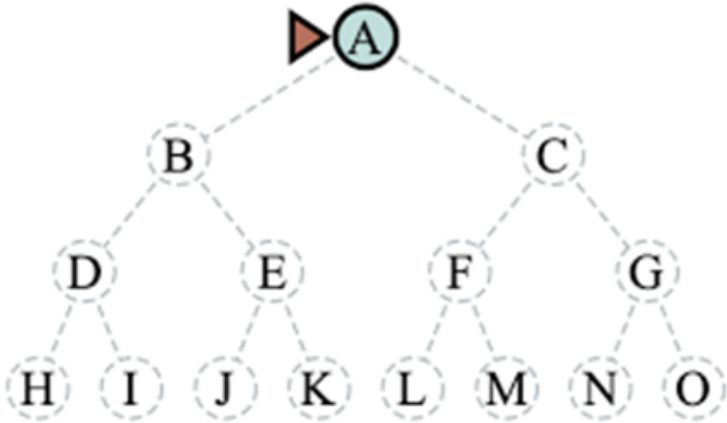
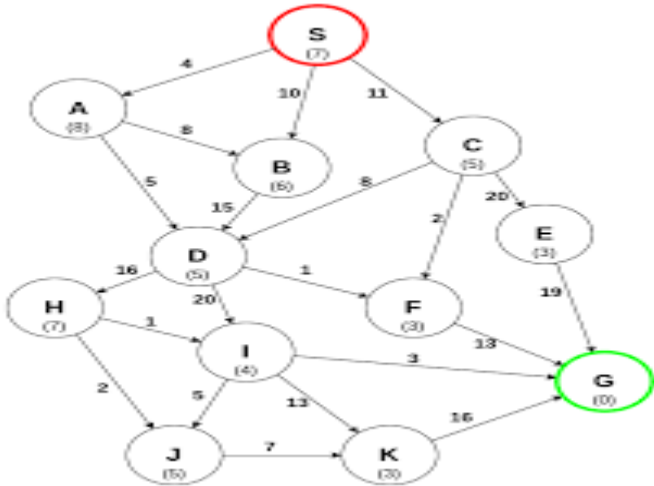
Reporting time: 8:00AM

Duration: 50 Mins

Total Marks: 20

Subject : Artificial Intelligence and Machine Learning

Dataset download link: [SET-4 - Google Drive](#)

Q. No	Do as directed.	Marks
1	<p>a</p> <div style="text-align: center;">  </div> <p>Using BFS and DFS, write the proper path of a given tree.</p>	2
	<p>b</p> <div style="text-align: center;">  </div> <p>Using A* search technique, Find the shortest path with cost.</p>	3

2	a	Import necessary files.	1
	b	Read computer.csv dataset. Build regression model	2
	c	Find accuracy of model. Draw scatter plot for predicted value and actual value.	2
3	a	Read salary.csv dataset.	1
	b	Is there any categorical data in the dataset? If yes then apply label encoding on categorical data.	2
	c	Assign values of input and output and Split the dataset into training and testing with ratio 80:20.	2
4	a	Read delivery.csv dataset.	1
	b	Find number of columns and number of rows. Find type of data.	2
	c	Which model is suitable for data? Apply model.	2

*****ALL THE BEST*****