

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

**Program: B. Tech.**

**Semester: VI**

**Date : 01/03/2024**

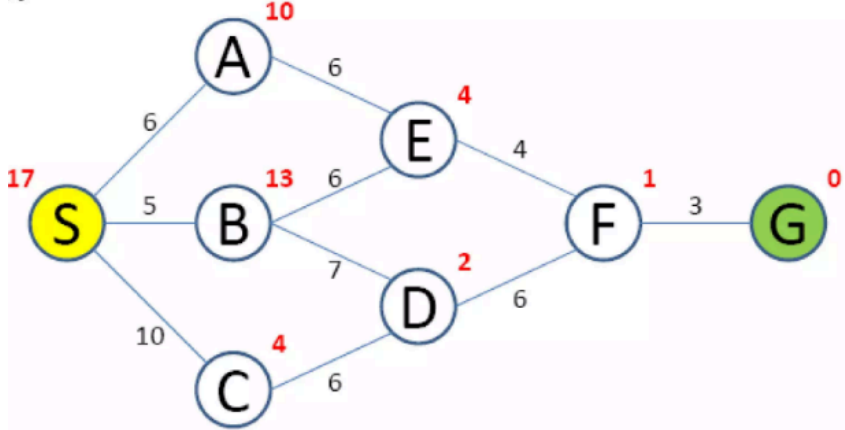
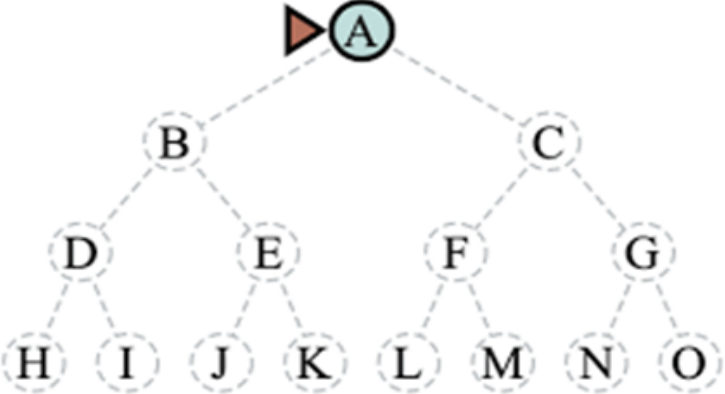
**Reporting time: 8:00AM**

**Duration: 50 Mins**

**Total Marks: 20**

**Subject : Artificial Intelligence and Machine Learning**

Dataset download link: [SET-6 - Google Drive](#)

Q. No	Do as directed.		Marks
1	a	<p data-bbox="407 848 435 884">).,</p>  <p data-bbox="407 1331 1089 1367">Perform A* algorithm and find the shortest path with cost.</p>	2
	b	 <p data-bbox="407 1856 883 1892">Perform BFS and DFS on a given graph.</p>	3

2	a	Import necessary files.	1
	b	Read salary.csv dataset. Find out categorical data in the given dataset.	2
	c	Apply label encoding on categorical data.	2
3	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
4	a	Read std_marks_data.csv.	1
	b	Find the number of rows and columns. Is there any null value? If yes then fill null value with average value.	2
	c	Segregate input and output and apply multiple linear regression.	2

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