

CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

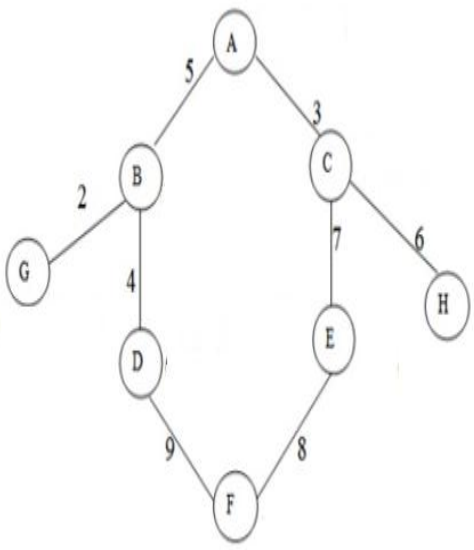
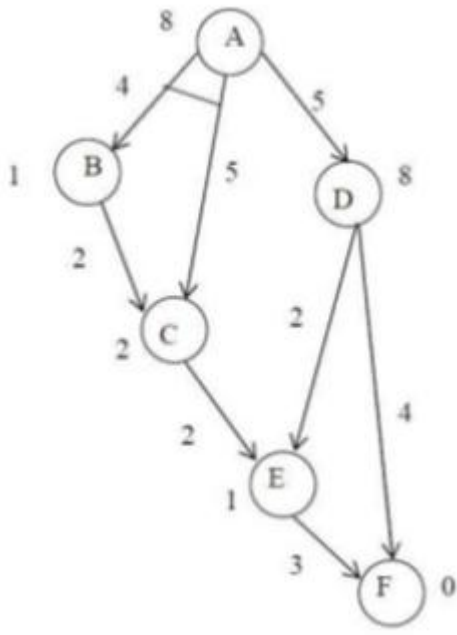
**DEVANG PATEL INSTITUTE OF ADVANCE TECHNOLOGY AND
RESEARCH**

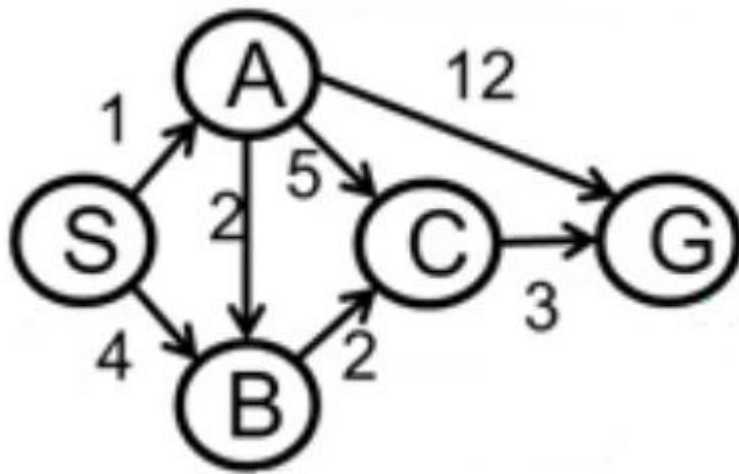
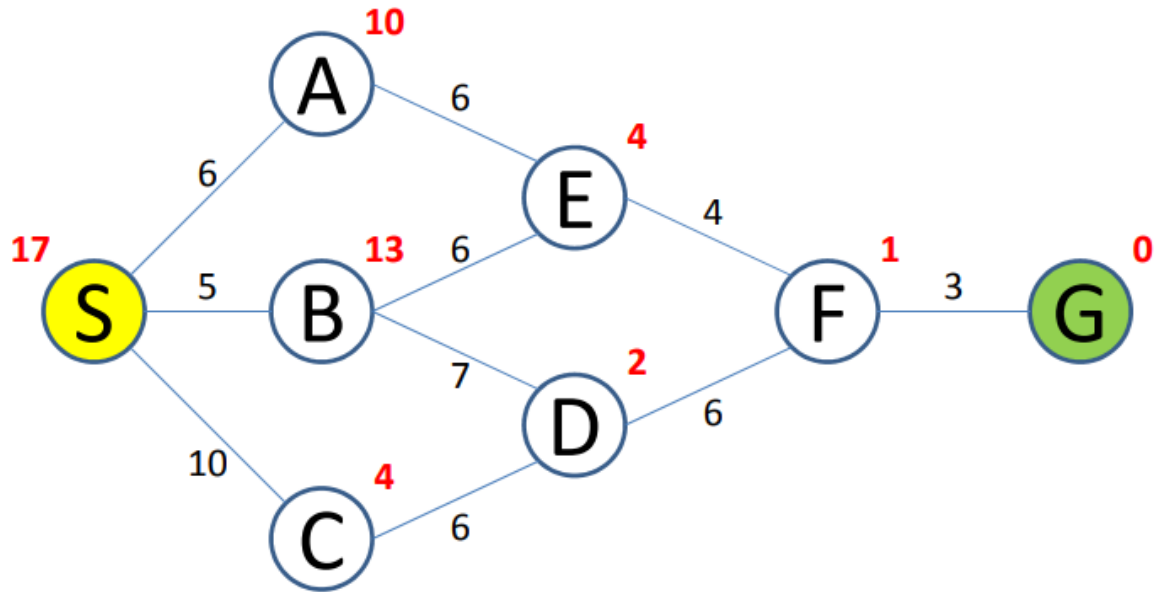
DEPARTMENT OF INFORMATION TECHNOLOGY

ACADEMIC YEAR: 2019-20

Subject: ARTIFICIAL INTELLIGENCE (CS341) (5th Sem)

ASSIGNMENT-3

Q. 1	Solve following Examples using AO* Algorithm.			
	1)		2)	
Q. 2	Perform the A* Algorithm on the following figures. Explicitly write down the queue at each step.			



Q.3	Solve cryptarithmic Problem			
	1)	BASE + BALL ----- GAMES	2)	CROSS + ROADS ----- DANGER
	3)	ODD + ODD ----- EVEN	4)	COOL + MATH + BLOG ----- TEACH
	5)	TOP + TOT ----- OPT	6)	GERALD + DONALD ----- ROBERT