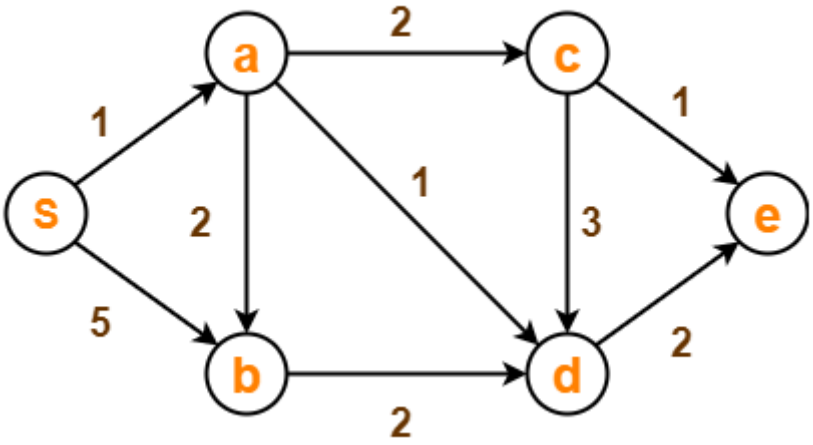
		SAGAR INSTITUTE OF SCIENCE & TECHNOLOGY **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING** **Tutorial-4**	**FORM NO**	
BRANCH	**CSE**		**REV. NO**	**0**
SEMESTER	**VI-1**		**REV. DT**	
NAME OF THE FACULTY: DR. P. S. CHAUHAN **SUBJECT/CODE :COMPUTER NETWORKS (CS-602)**				

TUTORIAL-IV	
1	A datagram of 3000B (20B of IP-header + 2908B IP Payload) reached at router and must be forwarded to link with MTU of 500B. How many fragments will be generated and also write MF, offset, total length value for all.
2	Using Dijkstra's Algorithm, find the shortest distance from source vertex 'S' to remaining vertices in the following graph- 
3	IP Address of the network is given as 143.112.115.83 and subnet mask of the network is given by 255.255.240.0 find out the subnet id of the given network.