

Ques 3)



weight	source	destination	
1	a	c	✓
2	a	d	✓
2	c	d	x
2	e	i	✓
2	b	g	✓
3	b	d	✓
4	h	f	✓
4	h	i	✓
5	j	i	✓
6	a	b	x
8	a	e	✓
8	e	h	x
8	g	h	x
9	f	i	x
11	e	f	x
14	g	i	x
15	d	h	x
19	g	j	x

vertices = 10  $\therefore$   $m|T = 10 - 1 = 9 \rightarrow$  edges

$$\therefore 1 + 2 + 2 + 3 + 4 + 5 + 8 = 31$$