

Please provide concise but self-explanatory answers to the following questions.
Chinese or English answer is fine.

1. What are the major issues to be considered in Supply Chain Management related to communication network? Please list all the key things that you know and describe each of them. Notice that they can be non-technical issues. 15%
2. Internet and Computer Network are vital in nowadays business. Please provide a case to explain how network technologies have become business strategic tools. 15%
3. Internet and Computer Network are penetrating to personal lives too. Many applications have become such a successful business model like Google, eBay, ...etc. Please describe what Second Life is, its underlying technologies, and possible implications (positive and negative) to human lives. 15%
4. What is IPsec and how does it work? 10%
5. Please explain Distance Vector Routing and Link State Routing. 15%
6. In Network Security, insuring the data's confidentiality or protecting privacy is important. Please describe the technological means to achieve data confidentiality and privacy protection. 10%
7. Please provide the translations and meanings of the following terms. 10%

a. K	b. Mega	c. Giga	d. ms	e. ns	f. DQDB
g. frame	h. MBONE	i. Extranet	k. IPv6		
8. What is Quality of Service in communication network? Please specify which layer it locates in TCP/IP and all the related issues. 10%