**Question 1**

**Why is it important to consider the legacy network when developing network design criteria?**

**Question 2**

**What is the design traceability? And explain why it is important in the network design.**

**Question 3**

**Describe key elements of a component architecture. And choose one specific component architecture and give examples related to the key elements of the component architecture.**

**Question 4**

**Explain two network management mechanisms and give examples related each mechanism.**

**Question 5**

**Why is it important to characterise application behavior? What should be considered when characterising application behavior? Describe them.**

**Question 6**

**Using examples describes three (3) flow models that are used in the flow analysis process.**

**Question 7**

**Describe three (3) factors in routing strategies for developing a network routing architecture.**

**Question 8**

**What is traffic management in the resource control? Using examples explains traffic conditioning approaches.**

**Question 9**

**Choose and describe two security and privacy mechanisms for developing a network security architecture.**

**Question 10**

**As discussed in lecture week 12, some advanced technologies could be applied for future network management. Choose one and describe its application.**

**Question 11**

**Explain the network design process and relationship of stages in the process. Also. describe expected outcomes of each stage in the process.**