

THE UNIVERSITY OF THE SOUTH PACIFIC		SCHOOL OF DISTANCE EDUCATION	
BACHELOR OF SCIENCE (HONOURS) IN INFORMATION TECHNOLOGY			
SEMESTER 1, 2015			
QUESTION	ANSWER	MARKS	TOTAL MARKS
1. Explain the difference between a LAN and a WAN.	A LAN (Local Area Network) is a network that covers a small geographical area, such as a single building or campus. A WAN (Wide Area Network) is a network that spans a large geographical area, often across multiple countries or continents.	10	10
2. Describe the components of a network.	The components of a network include hardware (routers, switches, cables, and servers) and software (network protocols and operating systems).	10	20
3. Discuss the importance of network security.	Network security is crucial for protecting data and resources from unauthorized access, theft, and damage. It involves implementing measures such as firewalls, encryption, and access control.	10	30
4. Explain the role of a network administrator.	A network administrator is responsible for managing and maintaining the network infrastructure, ensuring that it is secure, reliable, and performing optimally.	10	40
5. Describe the different types of network topologies.	Network topologies include bus, star, ring, and mesh. Each topology has its own characteristics and is suited to different network environments.	10	50