

INFORMATION COMMUNICATION TECHNOLOGY

G.C.E. Advanced Level

Revision – Tutorial 25

Duration: 60 minutes

Answer All Questions

1. Explain DHCP servers? (You may include why do we need DHCP servers? Function of it and how it works) .
2. What is a DNS server? Explain overall function and how it works by using examples.
3. What is the difference between a web server and a mail server? Explain using an example.
4. What are the functions of a proxy server? Explain how it works.
5. Compare the OSI model with the TCP/IP model using a picture.
6. Compare TCP and UDP protocols in terms of reliability. (*Question is from 2011 A/L*)
7. Peer-to-Peer (P2P) and client server models are distributed application architectures. State the difference between them. (*Question is from 2011 A/L*)
8. List the differences between hubs and switches in a Network. (*Question is from 2011 A/L*)
9. Following table contains important protocols for data & computer communications. Fill in the blanks of the table.

Protocol	Operational Layer in OSI	Function
IP		
TCP		
UDP		
ICMP		

FTP		
SMTP		
POP		
PPP		
CSMA/CD		
Telnet		
Token ring		

10. Draw an Ethernet frame and name each unit of the frame.