

MODEL PAPER "ROUTING & SWITCHING"
FOR DIPLOMA IN COMPUTER HARDWARE & NETWORK ENGINEERING
(SEMESTER – II) ANNUAL EXAMINATION 2015 & ONWARDS
SUBJECTIVE
PART-B

Time:- 2:15 Hours

Marks:- 40

SECTION-I

Q.1 Write the Short answer to any Twelve (12) form the following questions. 2X12=24

1. What is the difference between HUB And Switch?
2. Why Router is an Intelligent Device?
3. Name the TCP/IP Layers.
4. What is meant by Topology?
5. What are the standards of Ethernet ?
6. What type of information router required for the packet delivery
7. What do you know about the WLAN
8. What are the advantages using WLAN over the Ethernet and which one is cost efficient?
9. Define the functionality of Network
10. What Is the difference between Logical and Physical Address
11. Why sub netting is necessary for Networks
12. Define Switch Modes
13. Define RIP
14. Define OSPF
15. What is the difference between Dynamic and Static Routes?
16. Define ACL ,what is the purpose of ACL ?
17. How can we make WLAN Secure.
18. Which type of information router required in its table?

SECTION II

Note: Attempt any 2 questions

2X8 =16

Q.2: Write a note on the following topics

- i- Frame Relay ii- ATM Switch

Q3: Explain the circuit switching and packet switching

Q4: What do you know about IP? Explain its Classes

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