



**DIT 14**

**Diploma in Information Technology Annual (DIT) Examination, August 2009  
NETWORKING AND INTERNET**

Time : 3 Hours

Max. Marks : 90

***Instructions : Answer all questions in Part – A, any five in Part – B and any three in Part – C.***

**PART – A**

**(2×10+5×1=25)**

1. What is Computer Network ?
2. Explain Bandwidth.
3. Explain Star Topology.
4. What is a Point to Point Connection ?
5. Define Router.
6. Explain WAN.
7. Name different layers of OSI Model.
8. Explain http.
9. Name different types of Network Topology.
10. What is Intranet ?
11. Expand the following terms :
  - STP
  - TCP/IP
  - ISP
  - FTP
  - NIC

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**PART – B**

**(5×10=50)**

Answer **any five** questions.

1. Explain the features of different types of cables used in network communication.
2. Explain the components of HTML in details.
3. Discuss briefly the components of data communication.
4. Explain the architecture of OSI Model.
5. Explain different topologies in computer networks ?
6. Briefly discuss the different layers in TCP/IP model.
7. What is a Web Browser ? Explain Browser elements and mention some popular Web Browsers.
8. Compare the following :
  - DNS and URL
  - Router and Gate Way

**PART – C**

**(3×5=15)**

Write short notes on **any three** of the following :

1. Modem
  2. SMTP
  3. HTML
  4. Protocols
  5. Internet.
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