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Name.....

Reg No.....

SIXTH SEMESTER B.TECH. [ENGINEERING] (09 SCHEME) DEGREE EXAMINATION, APRIL 2016

IT/CS/PTCS 09 603—COMPUTER NETWORKS

Time : Three Hours Maximum : 70 Marks

Part A

Answer **all** *questions.*

1. Define the WiMax standard.
2. Differentiate between circuit switching and packet switching techniques.
3. State the need for routers.
4. Define Internetworking.
5. Define the role of application layer.

(5 × 2 = 10 marks)

Part B

Answer any **four** *questions.*

6. Explain the working of the Token Ring.
7. Explain the principle of subnetting with an example.
8. Write a note on the working of PIM protocol.
9. Explain about the explicit routing mechanism.
10. Explain the duties of a Transport layer.
11. Write about the working of the Presentation layer.

(4 × 5 = 20 marks)

Part C

12. (a) Write in detail about the working of ATM along with its design goals.

Or

(b) With a neat sketch, explain the working of FDDI.

13. (a) Explain in detail about the working of the link state OSPF protocol.

Or

(b) Define a Bridge. When it is needed ? Explain the working of Bridges in detail.

Turn over

14. (a) Explain in detail about the working of the IPv6 protocol.

Or

(b) Write about the working of the Virtual Private Networks.

15. (a) Explain about the working of TCP Protocol.

Or

(b) Explain the working of the Remote Procedure Call mechanism in detail.

(4 × 10 = 40 marks)