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**Question Paper Code : 45904**

5 Year M.Sc. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2014.

*Elective*

Software Engineering

XCS 483/10677 SWE 51 – NETWORK PROTOCOLS

(Common to 5 Year M.Sc. Computer Technology and M.Sc. Information Technology)

(Regulation 2003/2010)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define Routing.
2. List out the Properties of the Reliable Delivery Service.
3. Distinguish between Broadcasting and Multicasting.
4. What is Mobile IP?
5. Name any four top-level internet domains.
6. What is TELNET?
7. Mention the merits of POP.
8. Define Uniform Resource Locator.
9. What is Management Information Base?
10. List out the Advantages of firewall.

PART B — (5 × 16 = 80 marks)

11. (a) Explain in detail about ICMP.

Or

- (b) Write detailed notes on Exterior Gateway Protocols and Autonomous Systems.

12. (a) Discuss about Internet Group Management Protocol in detail.

Or

(b) Describe in detail about BOOTstrap Protocol (BOOTP).

13. (a) Explain about Domain Name System in detail.

Or

(b) Discuss the following.

(i) FTP (8)

(ii) NFS (8)

14. (a) What is SMTP? Illustrate about SMTP in detail.

Or

(b) Define HTTP. Explain about World Wide Web in brief.

15. (a) Discuss about SNMP in detail.

Or

(b) Describe in brief about Internet Security and Firewall Design.