

SECTION-C

Note: Long answer type questions. Attempt any three questions. 3x10=30

- Q.3 Explain various troubleshooting techniques and methods.
- Q.4 Discuss client server technology. What are its advantages and disadvantages?
- Q.5 Discuss concept of shielding, grounding and power supply requirement for computer and its peripherals.
- Q.6 Explain working of DNS and its features.
- Q.7 Discuss coding of cables. Discuss different types of cables used in computer networking.

No. of Printed Pages : 4

Roll No.

030861

3rd / 6th Sem. / Comp. Engg.

**Subject : Troubleshooting & Maintenance
of Computer Networks**

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1 a) Full form of MTTR.
- b) Explain DNS.
- c) ISDN stands for _____.
- d) Give the names of two computer faults.
- e) What is the meaning of troubleshooting.
- f) Explain SMPS.
- g) Define Bridge.
- h) Explain leased lines.
- i) Explain WAN.

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- j) Expand UTP.
- k) Expand VSPN.
- l) Explain wifi system.
- m) Explain BNC.
- n) Explain Router.
- o) Explain service manuals.
- p) Explain shielding.
- q) Define Gateway.
- r) Define V-SAT.

SECTION-B

Note: Short answer type questions. Attempt any ten parts 10x4=40

- Q.2
- i) What are various fault finding aids?
 - ii) Explain HUB and its types.
 - iii) What are some causes of network failure?

- iv) Difference between two tier and three tier network architecture.
- v) Write short note on TCP/IP.
- vi) Explain the procedure to create work group.
- vii) What are various serial and parallel port errors?
- viii) Explain peer to peer model of networking.
- ix) Define service manuals and their use in troubleshooting.
- x) Difference between fault finding and fault removal.
- xi) Explain ISDN briefly.
- xii) Explain Modem and its types.
- xiii) Discuss address classes in IP addressing.
- xiv) Difference between HUB and switch.
- xv) Difference between Hardware and Software tools.