PG – 500

II Semester M.C.A. Examination, June 2016
(CBCS)
COMPUTER SCIENCE
MCA – 203T : Computer Networks

Time : 3 Hours Max. Marks : 70

Instructions : *1) Part – **A** : Answer **any five** questions.*
*2) Part – **B** : Answer **any four** questions.*

PART – A

Answer **any five** of the following. **Each** question carries **6** marks. **(5×6=30)**

1. What is multiplexing ? Explain the different types in brief.
2. What is asynchronous communication ? Explain the different types.
3. Explain briefly the different LAN technologies.
4. Differentiate between broadcasting and multicasting.
5. What is switching ? Explain.
6. What is WAN ? Explain in brief how a WAN can be formed using packet switches.
7. Differentiate private networks and public networks.
8. Explain the purpose of each layer in the TCP/IP reference model.

PART – B

Answer **any four** of the following. **Each** question carries **10** marks. **(4×10=40)**

9. What are transmission media ? Explain the different types used in modern network systems.
10. Explain self healing token passing networks.
11. Explain the different wiring scheme with respect to ethernet network technology.
12. Explain the different mechanisms used to extend a LAN over long distances.
13. What is distributed route computation ? Explain distance vector routing algorithm.
14. Write short notes on (a) VOIP (b) Internet routing **(5×2=10)**