

**COMPUTER NETWORKS**6<sup>TH</sup> / EXAM/CE/IT/ECE/2462/6061/2465/MAY-2015

Duration: 3 Hrs.

Max Marks:75

**SECTION-A**

NOTE: Attempt all questions

Q1. a) Fill in the blanks: (1\*15)

- I. The .....Network type covers the smallest area.
- II. The OSI is .....layer model.
- III. ARC stands for.....
- IV. ....topology requires a multi point connection.
- V. MAC addresses are referred to as .....
- VI. A.....is a set of rules to communicate between two parties.
- VII. Modem stands for .....
- VIII. ....takes print job from a print queue and sends them to a printer.
- IX. Gateway is commonly used to interconnect two networks.(True/False)
- X. Router works in physical layer of OSI model.(True/False)
- XI. Internet protocol is a connectionless protocol.(True/False)
- XII. Name two Switching techniques.
- XIII. The network device which is used to interconnect two dissimilar networks is called .....
- XIV. MAN stands for medium area network.(True/False)
- XV. ATM stands for.....

**SECTION-B**

Q2 Attempt any six questions. (6\*5)

- I. Explain Hubs and its types.
- II. Differentiate between P-2-P network and client-server network.
- III. What is physical topology? Explain different topologies.
- IV. Explain server management in brief.
- V. What is an error? Explain different sources of errors.
- VI. Describe Bluetooth technology.
- VII. Explain the process of Troubleshooting.
- VIII. What is an IP? What are its types and classes?

**SECTION-C**

Q3 Attempt any two questions. (15\*2)

- I. Explain OSI reference model in detail with neat and clean diagram.
- II. What is Computer network? Discuss its advantages and disadvantages in detail.
- III. (a) Draw IP packet format and explain all fields.  
(b) Explain different network connectivity devices.