2009
(December)

LIBRARY AND INFORMATION SCIENCE

Course No.: O-305

(Information Communication Technology)

Full Marks: 75
Time: 3 hours

The figures in the margin indicate full marks for the questions

Answer five questions, selecting at least one from each Credit

Credit—I

1. What is communication and telecommunication? Describe the basic elements of communication according to Shannon-Weaver model (1947). 5+5+5

2. What is communication protocol? Sketch the different layers of OSI reference model and TCP/IP with proper description of the functions of each layer. 3+7+5

10D-90/689 (Turn Over)
CREDIT—II

3. Describe the essential components of computer networking. 15

4. What is WAN? Describe circuit switching and packet switching. 5+5+5

CREDIT—III

5. Who owns the Internet? What are the functions of various organizations associated with Internet? 3+12

6. Describe PSTN, ISDN, Leased line, DSL and VSAT. 3+3+3+3+3

CREDIT—IV

7. Differentiate WWW from the Internet. Describe Web browsers and Web servers. 7+4+4

8. Describe search engines and web search formulations. 7½+7½

10D—90/689 3/LIS/O-305 (New Course)