Duration :- 2 1/2 Hours	G41910OCN	[Total Marks: 75]
N. B.: (1) All questions are compulsory (2) Make suitable assumptions w (3) Answers to the same question (4) Numbers to the right indicate (5) Draw neat labelled diagrams (6) Use of Non-programmable ca	wherever necessary and state the n must be written together. e marks. wherever necessary.	assumptions made.
A. State and explain various types of B. What is the Internet standard? Exp. C. Write a short note on the OSI mod D. Write a short note on TCP/IP. E. Define Bandwidth, Data Rate, Bot F. Explain the mode of data transmis	networks. What are the different wolain the maturity levels of RFC. lel. and Rate & Signals with diagram.	[15] vays to access the Internet?
 Q2) Attempt any three of the following: A. What are the functions of the data Explain the different methods of fig. B. What are the different types of transc. C. What is a virtual circuit network? D. Explain the three phases of community. E. Write a short note on multiplexing. F. Write a short note on CRC. 	link layer? What is the relationship raming. nsmission media? Explain each typ What are its characteristics? unication in a circuit switched netw	pe.
 Q3) Attempt any three of the following: A. Explain in brief Flow Control. B. Explain G—Back n ARQ. C. Write a short note on ALOHA. 		[15]
D. Write a short note on FDMA.E. Explain the applications of WireleF. Write a short note on Bluetooth.	ss LAN.	
A. What are the duties of a Network IB. Write a short note on Unicast Rour C. Explain Why IP Address? D. Write a short note on IPv6. E. Write a short note on Mobile IP. F. Explain OSPF in detail.	Layer?	[15]
A. What are the duties of a Transport B. Explain addressing in Transport L. C. Write a short note on DNS. D. Write a short note on Telnet.	Layer?	[15]

E. Write a short note on FTP.F. Write a short note on WWW.