Reg. No.					



III SEMESTER M.C.A

END SEMESTER EXAMINATIONS, DECEMBER 2020

SUBJECT: Computer Networks [MCA 5151]

REVISED CREDIT SYSTEM (31/12/2020)

Time: 3 Hours

MAX. MARKS: 50

Instructions to Candidates:

- Answer ALL the questions.
- Missing data may be suitable assumed.

1A	Compare and Contrast ISO/OSI model with TCP/IP model with a neat labelled diagram					
1B	B Describe the UDP-User Datagram Packet format with a neat labelled diagram.					
1C	Briefly describe the Redirection (<i>Type-5</i>) ICMP error reporting message.	2				
2A	The content of an IP packet is as follows in Hexadecimal. 47 00 00 60 30 39 50 00 05 06 00 00 7D 50 30 20 B4 0E 0F 02	5				
	(i) What is the size of the data?(ii) How many more routers can the packet travel to?					
	(iii) What is the upper layer protocol number?					
	(iv) Are there any options? If yes, what is the size of the option?(v) Is the packet fragment able?					
2B	Consider the following packet flow-diagram given with RTT _M and calculate RTT _D , RTT _S , RTO (step-by-step) for each time RTT _M is measured.	3				

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