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	Code No: 117BY	3
AG	B. Tech IV Year I Semester Examinations, April/May - 2018 COMPUTER NETWORKS (Common to ECE, EIE) Time: 3 Hours Note: This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer all questions in Paconsists of 5 Units. Answer any one full question from each unit. Each question marks and may have a, b, c as sub questions.	A. Marks: 75
AG	AG AG APART-AAG AG	(25 Marks)
AG	1.a) What is Internet? b) What are the advantages and disadvantages of optical fiber? c) Mention the functions of Hub. d) Explain why there is no need for CSMA/CD on a full duplex Ethernet LAN. e) What is the purpose of subnetting? f) What are the three main elements of distance vector routing algorithm? g) Explain Tunneling. h) Explain the socket primitive of TCP. i) Explain the status codes of HTTP client error. j) Compare HTTP and FTP.	[2] [3] [2] [3] [2] [3] [2] [3] [2] [3]
AG	AG AG AGAGAG	(50 Marks) /
	 2.a) Explain about the sliding window protocol. b) Distinguish between OSI and TCP/IP reference model. OR 	[5+5]
AG	3.a) Explain about the Go-Back-N ARQ protocol. b) Explain checksum with an example 4.a) Explain about CSMA protocols. b) Explain about the spanning tree bridge. OR	[5+5] [5+5]
	5.a) Explain about the IEEE 802.3 frame.b) Explain about the types of bridges.	[5+5]
AG	6.a) Explain about the hierarchical routing algorithm. b) Distinguish between connectionless and connection oriented networks. OR	
	7.a) Explain how congestion is controlled in network layer.b) Explain the working of Packet Switched Networks.	[5+5]
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	b) Distingui	tate diagram for sish between IPv4 how simple made using SMTP?	simple connection and IPv6. ail transfer prot OR ner management.	n management sc	heme.	[5+5] messages be	A
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