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Code	No: 117BY	R13	
A	JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY B. Tech IV Year I Semester Examinations, November/Decomports NETWORKS (Common to ECE, EIE, BME) This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer all questions from each carries 10 marks and may have a, b, c as sub questions.	Max. Marks: 75 tions in Part A. Part B	A
AG.	A A A A	AC _(25 Marks)	A
1.a) b) c) d) e) f) g) h) i)	What is CRC checker? Write the advantages of layered architecture of network. Define exponential Back off. What is piggy backing? How does it useful? Write the functions of LLC. Write the responsibilities of network layer. What is multiplexing? Give different types of multiplexing? Write about Tunneling. What is DNS? Write its properties. Explain MIME header	[2] [3] [2] [3] [2] [3] [2] [3] [2] [3]	A
AG	AG AG Art-B AG	(50 Marks)	A
2.a) b)	Compare TCP/IP and OSI reference model. Explain about framing. OR	[5+5]	
3.a) b) 4.a) b)	Explain stop and wait protocol. Give a detail note on Hamming code. Explain CSMA/CD protocol and how does it detect collision? Discuss about switched and fast Ethernet. OR	△ (5+5) [5+5]	A
5.a) b)	Explain MAC sub layer protocol in detail. Discuss about spanning tree bridges.	[5+5]	
6.a) b)	Explain link state routing algorithm in detail. Write the optimality principle of routing algorithms. OR	AG	A
7.a) b)	Describe hierarchical routing algorithm in detail. Write a note on load shedding.	[5+5]	
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8.a) b) 9.a) b)	Describe frag Explain Addre	packet format. mentation in inte- ess resolution pr ciples of networ	[5+5]	AG	A						
10.a) b)	Civia a datail :	sliding window pote on HTTP re ransport protoco and UDP proto	anact recoonce n	[5+5]	AG	A					
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