

Reg.No. _____



Karunya UNIVERSITY

(Karunya Institute of Technology & Sciences)
(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

End Semester Examination – Nov/Dec – 2016

Code : 14EC2025
Sub. Name : Computer Communication

Semester : 2016-17 ODD
Duration : 3hrs
Max. marks : 100

ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)

Q. No.	Sub Div.	Questions	Course Outcome	Marks
1.	a.	Draw the architecture of ISO/OSI model and explain the functions of each layer.	CO1	20
(OR)				
2.	a.	Explain about the guided transmission media in computer communication.	CO1	10
	b.	What is bit stuffing in HDLC? Explain the frames in HDLC	CO1	10
3.	a.	Explain the principle of wireless LAN 802.11, with frame format and access method	CO1	12
	b.	Discuss about stop and wait ARQ in detail	CO2	08
(OR)				
4.	a.	With access method and frame format explain IEEE802.5	CO2	10
	b.	Discuss the sliding window methods of flow control mechanism.	CO2	10
5.	a.	Explain any two ATM adaptation layers with relevant diagrams	CO2	10
	b.	Draw the Internet Protocol datagram (IPv4) format and explain each field.	CO2	10
(OR)				
6.	a.	Draw the Internet Protocol datagram (IPv6) format and explain each field.	CO3	10
	b.	Find the subnetwork address for the following: IP Address:125.34.12.56 mask: 255.255.0.0 IP Address:120.14.22.16 mask: 255.255.128.0 IP Address:200.34.22.156 mask: 255.255.255.240	CO2	10
7.	a.	Draw the structure of UDP header format and explain	CO3	10
	b.	With one example explain how routing table is updated using dijkstra algorithm.	CO3	10
(OR)				
8.	a.	Write notes on SCTP	CO3	10
	b.	Explain about the transport control protocol with Segment format.	CO3	10
<u>Compulsory:</u>				
9.	a.	List the categories of congestion control and explain them in detail	CO3	10
	b.	Discuss the techniques to improve the quality of services in computer networks.	CO3	10

ALL THE BEST