



BRAINWARE UNIVERSITY

Term End Examination 2023 Programme - Dip.CSE-2018/Dip.CSE-2019/Dip.CSE-2020 **Course Name – Computer Network Course Code - DCSE603** (Semester VI)

Full Marks: 60 Time: 2:30 Hours [The figure in the margin indicates full marks. Candidates are required to give their answers in their

own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1.	Choose the correct alternative from the follow	ing:
(i)	Explain which of the following is not a function	on of a router?
(ii)	a) Packet Switchingc) Internetwork communicationSelect ICMP is primarily used for	b) Packet Filteringd) Forwarding broadcasts by default
(iii)	a) error and diagnostic functionsc) forwardingDefine which are the methods to move data to	b) addressingd) routinghrough a network of links and switches?
(iv)	a) Packet switchingc) Both (a) and (b)State A 4 byte IP address consists of	b) Circuit switchingd) Line Switching
(v)	a) only network addressc) network address & host addressSelect which of the following protocols uses to	.,
(vi)	a) FTP c) TELNET Trace Application layer protocol defines	b) SMTP d) DNS
	a) Types of messages exchangedc) Rules for when and how processes send and respond to messages	b) Message format, syntax and semantics d) All of these
(vii)	Identify the subnetwork number of a host wi	th an IP address of 172.16.66.0/21?
	a) 172.16.36.0	b) 172.16.48.0
(viii)	c) 172.16.64.0 Select What class of IP address provides a ma network ID?	d) 172.16.0.0 ximum of only 254 host addresses per
	a) Class A	b) Class C
	c) Class B	d) Class D

(x)			
(x)	a) Full-duplex	b) Half-duplex	
(x)	c) Semi-duplex	d) Byte by byte	
	Traceln segment header, sequence number a	and acknowledgement number fields refe	•
	to		
	a) Byte number	b) Buffer number	
	c) Segment number	d) Acknowledgment	
(xi)	When an HTTP document must be retrieved	from a location other than the local	
	machine, which layer of the OSI model must	be accessed first?	
	a) Presentation layer	b) Application layer	
	c) Transport layer	d) Network layer	
(xii)	Identify The network address of 172.16.0.0./	•	
	a) 7 subnets ,2046 hosts each	b) 8 subnets,2046 hosts each	
	c) 8 subnets,8190 hosts each	d) 7 subnets,30 hosts each	
(xiii)	Which of the following protocols uses both T	•	
•	a) FTP	b) SMTP	
	c) TELNET	d) DNS	
(xiv	Identify the data communication method is a	,	
(communication link?		
	a) Full-duplex	b) Simplex	
	c) Half-duplex	d) None of these	
(xv)	Describe which of the following is a transpor	•	
(///	a) TCP	b) UDP	
	c) Both TCP and UDP	d) None of these	
	c) both fer and obt	d) None of these	
	Gr	oup-B	
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		r Type Questions)	3 x 5=15
	(00.0,	r Type Questions)	3 x 5=15
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	eifne HTTP and what port does it use?	r Type Questions)	(3)
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3. E: 4. D 5. C	eifne HTTP and what port does it use? oplain frame format of the HDLC protocol efine the function of Network Layer?		(3) (3)
3. E: 4. D 5. C	eifne HTTP and what port does it use? oplain frame format of the HDLC protocol efine the function of Network Layer? assify of Internet Addresses in IP version4? M		(3) (3) (3) (3)
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