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SHIVAJI UIVERSITY, KOLHAPUR DATTAJIRAO KADAM ARTS, SCIENCE AND COMMERCE COLLEGE, ICHALKARANJI B.C.A. Part-II Semester-III (NEP) Examination, March-2024 Computer Network and Internet Sub. Code: 91171		
Day and Date: Friday, 19-04-2024 Time: 10:30 a.m. to 01:30 p.m. Instructions: 1) Q. 1 and Q. 8 are compuls 2) Attempt any three from Q	•	
Q.1. Select the correct alternative and rewrit	te the sentence. [12]	
1. A collection of hyperlinked documents on thea) World Wide Web (WWW)c) Mailing list	e internet forms the b) E-mail system d) Hypertext markup language	
2. Which software prevents the external accessa) Firewallc) Router	to a system? b) Gateway d) Virus checker	
3. The term WAN stands for?a) Wide Area Netc) Wide Area Network	b) Wide Access Network d) Wide Access Net	
4. If the systems use separate protocols,a) Repeaterc) Bridge	device is used to link two systems? b) Gateway d) Hub	
5. In which switching methods, the message is aa) Message switchingc) Virtual switching	divided into small packets? b) Packet switching d) Package switching	
6. A set of devices connected by communicatioa) Networkc) Topology	n links is called b) Protocol d) Multilinks	
7. The geometric arrangement of devices on tha) Topologyc) Network	e network is called b) Protocols d) Medium	
8. OSI Reference model stands for?a) Online Systems Interconnectionc) Open Systems Interconnection	b) Open Systems Internet d) Online Systems Interconnection	
	Dage 1 of	

9 a) Co c) TC	techniques used in data connection-oriented	ommunications to transfer data. b) Connectionless d) both (a) & (b)	
a) Sin	8	ons listed is not a legitimate channel b) Half Duplex d) Double Duplex	[?
11. Which o a) Sta c) Bu		k topology? b) Ring d) Peer to Peer	
12. The conr a) Sta c) Bu		ure called? b) Mesh d) Hybrid	
Q.2. Discuss	advantages and disadvantages of	computer network.	[16]
Q.3. Define	transmission media. Explain guide	d media in detail.	[16]
Q.4. Define	network topology. Explain bus, sta	r and ring topology in detail.	[16]
Q.5. Explain	n OSI model in detail.		[16]
Q.6. Explain	n in detail about switching techniqu	es.	[16]
Q.7. Discuss	advantages and disadvantages of i	nternet.	[16]
Q.8. Write S	Short Notes on (Any Four)		[20]
a)	Sliding Window Protocol.		
b) Differentiate between Connection-Oriented and Connectionless Service			ce
c)	Define the terms – internet and in	tranet.	
d)	Parallel and Serial Data transmiss	sion.	
e)	Analog and Digital Communicati	on	
f)	Differentiate between OSI and To	CP/IP	