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END SEMESTER EXAMINATION (ESE), 2020

Semester: 6Th Sem

Subject: Data Communication and Networking (Theory)

Subject Code: Et-602 **New Syllabus** SCTE ASSAM SCTE ASSAM SCTE ASSA**Total Marks: 56 Marks** CTE ASSAM SCTE ASSAM

Time: 2hrs. 30 minutes

	All questions are compulsory SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM
I.	Choose the Correct Answer: The 1x10=10 SCIE ASSAM SCIE ASSAM SCIE ASSAM
1.	
2.	How many layers are there in TCP/IP model? (A) 4 layers (B) 5 layers (B) 6 layers (D) 7 layers (B) 6 layers (D) 7 layers
3.	Which of the following layer of OSI model also called end -to- end layer? (A) Presentation layer, SCIE ASSAM (B) Networking layer, ASSAM SCIE
4.	Terminator are used in T. ASSAM SCT. ASS Topology? A SCTE ASSAM SCTE SCCTE (A) Bus: ASSAM SCT(B) Star TE ASSAM (C) Ring: SCTE A (D) Tree SSAM SCTE ASSAM
5.	In the Star Topology the central point of failure is the (A) Client (B) Switch (C) Terminator (D) Access
6.	
7.	(A) Pocket Switching M SCTE ASSAM (B) Circuit Switching ASSAM SCTE ASSAM (C) Data Switching SSAM SCTE ASSAM (D) All of the Above. ASSAM SCTE ASSAM
8.	ATM Networks are- (A) Connectionless SAM SCTE ASSAM (B) Interconnected SCTE ASSAM SCTE ASSAM (C) Connection Oriented TE ASSAM (D) None of These SCTE ASSAM SCTE ASSAM
9. the	If Single computer network is divided into segments and routers are added between the its of the assam screassam scr
	(A) Internet (B) Internetwork
	(C) Network (D) All of These
10	Repeater operates in which Layer of OSI Model?(A) Physical Layer (B) Network Layer(C) Data Link Layer (D) Transport Layer

II. Answer any five questions:

5X3=15

- What is guided Transmission Media and Un-guided Transmission Media? 1.
- Define Broadband Transmission Media. 2.
- 3. What are the differences between peer to peer and client-server model?
- 4. What is the serial Transmission?
- What is circuit switching? Give example. 5.
- What is a router? Explain briefly. 6.
- Define Ethernet Network. ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM 7.

III. Answer any four questions: ASSAM SCTE ASSAM SCTE A 4X4±16 ASSAM SCTE ASSAM

- What are the various modes of data transmission? CTE ASSAM SCTE ASSAM 1.
- 2. Explain the difference between OSI and TCP/IP model.
- 3. Difference between LAN, MAN and WAN.
- Discuss Bus Topology in detail; write its advantages and disadvantages. 4.
- 5. Explain token ring network briefly.
- What is Modem? Why modem is used? SCTE ASSAM SCTE ASSAM SCTE ASSAM 6.

IV. Answer any three questions:

3X5 = 15

- Define OSI reference model. What is its significance in data communication?
- 2. Differentiate between synchronous and asynchronous transmission.
- What is a bridge? Explain its function. M SCTE ASSAM SCTE ASSAM 3.
- Describe the Rs 232 standard. ASAM ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM 4.
- 5. Explain the services provided by ISDN. SCTE ASSAM SCTE ASSAM SCTE ASSAM