

School of Engineering and Technology

Ref. No. CSOET/CSE/INT/2024/162

Dated: 20/08/2024

NOTICE (Test Announcement Batch: 2023)

Course Code: 24CS011		Course Title: Computer Networks	
Examination: Sessional Test-I		Max. Marks : 40	Duration : 90 mins
Date of Examination: 29/08/2024 (Thursday)	Time: 09:30 AM to 11:00 AM	Mode of Examination:	Offline
Programme & Semester: B.E. CSE & Semester-III			

Syllabus for Test:

Session	Topics
1-2	Introduction to Computer Network: Uses of Computer Networks: Business Applications, Home Applications, Mobile Users, Social Issues, Network Hardware: LANs, MANs, WANs.
3-4	Mode of Data transmission, Network devices: Hub, Switches, Bridge, Router, Repeater, Modem, Gateway, web security, mobile device security
5-9	Physical Layer: The OSI Reference Model, The TCP/IP Reference Model.
10-11	physical topology, Networks: The Internet, Connection-Oriented Networks (X.25, Frame Relay & ATM), Ethernet, Switching Techniques: circuit switching, Packet switching, Message Switching
12-15	Link layer: Framing, Error Detection and Correction, Flow control,
16-20	Elementary Data Link Protocols, Stop and Wait Protocols, Sliding Window protocols, ARQ, Go-Back ARQ, Selective Repeat, Medium Access Control and Local Area Networks: Channel allocation,
21-24	Multiple access protocols, LAN standards, Link layer switches & bridges (learning bridge and spanning tree algorithms).

Pattern of Question Paper:

Mark(s)	1 Mark MCQ	2 Marks	5 Marks	10 Marks
No. of Questions	5	5	3	1

Dr. Ramamani Tripathy



Name and Signature of Course Coordinator: