

## Term Evaluation (Even) Semester Examination March 2025

Name of the Course and semester: BCA 4th

Roll no 2392164

Name of the Paper: Data Communicat Paper Code: TBC404	tions and Computer Networks
Γime: 1.5 hour	Maximum Marks: 50
Note:  (i) Answer all the questions by ch  (ii) Each question carries 10 marks  (iii) Please specify COs against each	
forward mechanism. (CO1 / OR	(10 Marks) message switching. Which one is also known as store and ) with their application, advantages and disadvantages.
model. (CO1)	(10 Marks) in computer networks? Explain each layer of OSI reference  OR in computer network? What are the different topologies and ogy. (CO2)
Q3. a. How client server is different frod disadvantages. (CO1	•
b Differentiate between unicasting receivers are linked to one?	OR  g, multicasting and broadcasting casting. In which multiple (CO1)
Q4. a. How to convert the analog signal suitable example. (CO2)	(10 Marks) al to digital signal? Explain the pulse code modulation with
b. Explain the classifications of ser (CO1)	OR rial transmission with suitable example and differentiate?
others. (CO2)	(10 Marks) put into a single light for the communication uses optical which type of multiplexing is used? How it is different from OR
b How does the imperfection w the signal at the end lead to signal im	here the signal at the beginning of the medium differs from pairment? (CO1)