PRESIDENCY UNIVERSITY

GAIN MORE KNOWLEDGE
REACH GREATER HEIGHTS

BENGALURU
School of Computer Science and Engineering
Mid - Term Examinations - November 2024

Semester: V

Course Code: CSE 2053

Course Name: Enterprise Network Design

Program: IST

Date: 07-11-2024

Time: 02:00pm – 03:30pm

Max Marks: 50

Weightage: 25%

Instructions:
    (i) Read all questions carefully and answer accordingly.
    (ii) Do not write anything on the question paper other than roll number.

Part A

Answer ALL the Questions. Each question carries 2marks.　　　　**5Qx2M=10M**

1	What are the business drivers for a new network architecture.	2 Marks	L1	CO1
2	List any two tools for analyzing traffic.	2 Marks	L1	CO1
3	State the customer requirements in plan phase.	2 Marks	L1	CO1
4	Define Hierarchical Network Model.	2 Marks	L1	CO2
5	List the four design parameters used to determine transmission media types.	2 Marks	L1	CO2

Part B

Answer ALL Questions. Each question carries 10 marks.　　　　**4QX10M=40M**

6	a.	Explain the advantages of following Design Methodology while designing Enterprise networks.	4 Marks	L2	CO1
	b.	Identify the steps of Design Implementation Process.	6 Marks	L3	CO1

Or

7	a.	Interpret any four questions for identifying organization goals.	4 Marks	L2	CO1
	b.	Plan the steps needed to identify customer requirements in the plan phase.	6 Marks	L3	CO1

8	a.	Explain in brief the PPDIOO network design lifecycle	6 Marks	L2	CO1
	b.	Identify planned applications in planning phase.[Note: Any four planned applications is enough.]	4 Marks	L3	CO1

Or

9	a.	Explain the Service Oriented Network Architecture.	6 Marks	L2	CO1
	b.	Identify any four questions for determining technical goals of the client.	4 Marks	L3	CO1

10	a.	Explain the three layers of hierarchical network model.	6 Marks	L2	CO2
	b.	Model the network hierarchy for an organization with two buildings, each with 500 users connected.	4 Marks	L3	CO2

Or

11	a.	Explain the four factors for authentication.	4 Marks	L2	CO2
	b.	Choose the six types of services within modular networks	6 Marks	L3	CO2

12	a.	Outline four bet practices for designing Access Layer.	4 Marks	L2	CO2
	b.	Choose design considerations for building Access Layer.	6 Marks	L3	CO2

Or

13	a.	Explain the issues for designing campus core.	4 Marks	L2	CO2
	b.	Choose design considerations for building Access Layer.	6 Marks	L3	CO2