PRESIDENCY UNIVERSITY
BENGALURU

SCHOOL OF ENGINEERING
MID TERM EXAMINATION - MAY 2023

Semester : Semester VI - 2020
Course Code : CSE2053
Course Name : Sem VI - CSE2053 - Enterprise Network Design
Program : ISI

Date : 18-MAY-2023
Time : 10.30AM - 12.00PM
Max Marks : 60
Weightage : 30%

Instructions:
(i) Read all questions carefully and answer accordingly.
(ii) Question paper consists of 3 parts.
(iii) Scientific and non-programmable calculator are permitted.
(iv) Do not write any information on the question paper other than Roll Number.

PART A

ANSWER ALL THE QUESTIONS   (5 X 2 = 10M)

1. List some determinants of the scope of a design project

(CO1) [Knowledge]

2. What features of a multilayer switch could be used in the access layer?

(CO2) [Knowledge]

3. What steps are needed to implement a design?

(CO1) [Knowledge]

4. Expand and Explain PPDIOO

(CO1) [Knowledge]

5. What are the six major functional areas in the Cisco Enterprise Architecture?

(CO2) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS   (4 X 5 = 20M)

6. Briefly explain the organizational Goal, Constraint and Technical Goals and Constraints with example.

(CO1) [Comprehension]

7. What are the most important network requirements for client–Enterprise Edge application communication? Explain.

(CO2) [Comprehension]

8. Describe the three phases of evolving to an intelligent information network

(CO1) [Comprehension]

9. Describe briefly RMON.

(CO2) [Comprehension]

PART C

ANSWER ALL THE QUESTIONS   **(2 X 15 = 30M)**

10. Explain in detail about the Network Hierarchy design layers with neat diagrammatic representation.

(CO2) [Application]

11. Describe the three layers of the SONA framework.

(CO1) [Application]