

Roll No



**PRESIDENCY UNIVERSITY
BENGALURU**

**SCHOOL OF ENGINEERING
END TERM EXAMINATION - JUN 2023**

Semester : Semester IV - 2021

Course Code : CSE2053

Course Name : Sem IV - CSE2053 - Enterprise Network Design

Program : ISD,ISE&IST

Date : 9-JUN-2023

Time : 9.30AM - 12.30PM

Max Marks : 100

Weightage : 50%

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

(10 X 2 = 20M)

1. List Out the Four Base Packages In Cisco Ios Packaging
(CO3) [Knowledge]
2. What are the three basic steps of the design methodology?
(CO1) [Knowledge]
3. OpenStack utilizes components for its storage management. How?
(CO4) [Knowledge]
4. What Is the difference Between Sonet And SDH??
(CO3) [Knowledge]
5. What characteristics must you consider when designing a campus network?
(CO2) [Knowledge]
6. What Is Ipsec?
(CO3) [Knowledge]
7. List out the Key components of OpenStack
(CO4) [Knowledge]
8. What is the difference between the 80/20 rule and the 20/80 rule?
(CO2) [Knowledge]
9. Define Software Defined Networking (SDN)
(CO4) [Knowledge]
10. Expand and Explain PPDIOO.
(CO1) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS

(5 X 10 = 50M)

11. Explain in detail about the Cisco WAE appliance with an example.
(CO2) [Comprehension]
12. How to document the design? Show with an example.
(CO1) [Comprehension]
13. List out and explain the Guidelines for the Use of Private And Public Addresses In An Enterprise Network.
(CO3) [Comprehension]
14. Briefly describes the Wan Transport Technologies in detail.
(CO3) [Comprehension]
15. Explain in detail about the SDN Building Blocks
(CO4) [Comprehension]

PART C

ANSWER ALL THE QUESTIONS

(2 X 15 = 30M)

16. a.) Find the route summarization for the given address [8 Marks]
199.15.15.64/24
199.15.15.65/24
199.15.15.66/24
199.15.15.67/24
b.) Give a detailed explanations of Role of Controller In SDN Approach [7 Marks]
(CO4) [Application]
17. Zitech company wants to create the four networks for the company and hosts for the each networks are 5, 22,10,47 and the company used the IP address is 205.20.20.0/24 , find the network address , hosts address and subnet mask using VLSM.
(CO3) [Application]