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PRESIDENCY UNIVERSITY BENGALURU

 SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

 MAKE UP EXAMINATION - JULY 2024

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|  | **Date: 15-07-2024** |
| **Course Code: CSE2053** | **Time: 1:30 PM - 4:30 PM** |
| **Course Name: Enterprise Network Design** | **Max Marks: 100** |
| **Program: B.Tech** | **Weightage: 50%** |

**Instructions:**

1. *Read all questions carefully and answer accordingly.*
2. *Question paper consists of 3 parts.*
3. *Scientific and non-programmable calculator are permitted.*
4. *Do not write any information on the question paper other than Roll Number.*

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| **PART A** |
|  **ANSWER ANY 5 QUESTIONS 5Q X 2M=10M** |
| 1 | List Out the Four Base Packages In Cisco Ios Packaging. | (CO 3) | [Knowledge] |
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| 2 | What Is Ipsec? | (CO 3) | [Knowledge] |
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| 3 | List out the Key components of OpenStack | (CO 4) | [Knowledge] |
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| 4 | What is the difference between the 80/20 rule and the 20/80 rule? | (CO2) | [Knowledge] |
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| 5 | Define Software Defined Networking (SDN) | (CO 4) | [Knowledge] |
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| 6 | OpenStack utilizes components for its storage management. How? | (CO 4) | [Knowledge] |
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| 7 | What characteristics must you consider when designing a campus network? | (CO 2) | [Knowledge] |
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| **PART B** |
|  **ANSWER ANY 5 QUESTIONS 5Q X 10M=50M** |
| 8 | Explain in detail about the Cisco WAE appliance with an example. | (CO2) | [Comprehension] |
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| 9 | How to document the design? Show with an example. | (CO1) | [Comprehension] |
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| 10 | List out and explain the Guidelines for the Use of Private And Public Addresses In An Enterprise Network. | (CO3) | [Comprehension]] |
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| 11 | Briefly describes the Wan Transport Technologies in detail. | (CO3) | [Comprehension] |
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| 12 | Explain in detail about the SDN Building Blocks | (CO4) | [Comprehension] |
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| 13 | Elaborate the three basic steps of the design methodology? | (CO2) | [Comprehension] |
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| 14 | Explain the steps needed to implement a design? | (CO2) | [Comprehension] |
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| **PART C** |
|  **ANSWER ANY 2 QUESTIONS 2Q X 20M=40M** |
| 14 | 1. Briefly explain the organizational Goal, Constraint and Technical Goals and Constraints with example.
2. The Cisco SONA architecture transforms the view of network from transport-oriented toward a service- and application-oriented view. Explain.
 | (CO3) | [Comprehension] |
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| 15 | a.) Find the route summarization for the given address 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 | (CO4) | [Application] |
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| 16 | Zaitech 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] |
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