PRESIDENCY UNIVERSITY
BENGALURU

SCHOOL OF MANAGEMENT
END TERM EXAMINATION - JUN 2023

Semester : Semester IV - 2021
Course Code : COM3026
Course Name : Sem IV - COM3026 - Concept of Block chain
Program : BBF

Date : 14-JUN-2023
Time : 1.00PM - 4.00PM
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. Determine a few essential steps for deploying ICOs.

   (CO4) [Comprehension]

2. List the key characteristics of a blockchain project.

   (CO5) [Comprehension]

3. Specify the constructor arguments required for deploying a contract with specific initial configurations in REMIX IDE.

   (CO1) [Knowledge]

4. What function do blockchain contract addresses serve.

   (CO1) [Knowledge]

5. Can a specific business issue be solved with blockchain technology?

   (CO2) [Knowledge]

6. Contrasts between centralised and decentralised systems in blockchain network.

   (CO2) [Knowledge]

7. Define the term "frontend" in the context of web development.

   (CO5) [Comprehension]

8. Describe how transactions are verified and added to a blockchain.

   (CO3) [Comprehension]

9. How Web3 enables decentralized applications (DApps) to interact with blockchain networks?

   (CO3) [Knowledge]

10. Explain the role of token contracts in facilitating the creation and management of digital tokens.

(CO4) [Comprehension]

PART B

ANSWER ALL THE QUESTIONS   **(4 X 10 = 40M)**

11. Establish a few crucial measures for ICO deployment. in line with your business's strategy.

(CO2,CO3) [Comprehension]

12. Describe how peer-to-peer transactions can be made secure and effective using blockchain.

(CO4,CO3) [Comprehension]

13. Compare and contrast Swarm with traditional centralized hosting solutions.

(CO4,CO5) [Comprehension]

14. Describe the role of smart contracts in facilitating automation and trust within a blockchain project.

(CO5) [Comprehension]

PART C

ANSWER ALL THE QUESTIONS   **(2 X 20 = 40M)**

15. Create a comprehensive business plan for ICO deployment that addresses technological architecture and adoption methods.

(CO5) [Application]

16. Propose an implementation plan for integrating an existing system with a blockchain project.

(CO4) [Comprehension]