

Exam.Code: 1047
Sub. Code: 35463

2125
M.E. Computer Science and Engineering (Cyber Security)
Third Semester
CSN-8301: Block Chain Technology

Time allowed: 3 Hours

Max. Marks: 50

NOTE: Attempt five questions in all, including Question No. 1 (Section-A) which is compulsory and selecting two questions each from Section B-C.

x-x-x

| <u>Section - A</u> | | |
|--------------------|--|--------|
| Q1. | a) What is digital identity in blockchain and why is it important? b) Name two types of ledgers used in blockchain systems. c) What is a public blockchain? Give one example. d) How can blockchain improve transparency in government services? e) Mention two sectors that are rapidly adopting blockchain technology. | 10 |
| <u>Section - B</u> | | |
| Q2. | a) Describe how blockchain improves transparency in the value chain. Give any real-life examples. b) Explain major blockchain technology trends evolving in recent years. | 5 5 |
| Q3. | a) What happens if someone tries to tamper with a block? Explain with an example. b) What is a ledger in blockchain? Explain the different types of ledgers used and their significance. | 5 5 |
| Q4. | a) Describe the features and benefits of Enterprise Blockchain. b) Explain the evolution of blockchain technology through Blockchain 1.0, 2.0 and 3.0. | 5 5 |
| <u>Section - C</u> | | |
| Q5. | Write short note on following: a) Blockchain Use Cases in Financial Services b) Blockchain Use Cases in Healthcare & Insurance | 10 |
| Q6. | a) Explain the major business trends influencing the global blockchain market. b) Describe the key features and services offered by Infosys Blockchain Practice. | 4 6 |
| Q7. | a) Describe the role of the Blockchain Academy and provide an overview of the key components of blockchain technology covered in its learning modules. b) List any four limitation of BlockChain. | 6 4 |

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