Shri Shankaracharya Institute of Professional Management & Technology
Department of Information Technology
Class Test – II Session- Jul-Dec, 2022 Month-January
Sem- 7th Subject- Graph Theory and Application
Time Allowed: 2 hrs   Max Marks: 40

Note: - Attempt any four questions.

Q. N.	Questions	Marks	Levels of Bloom's taxonomy	COs
A.	Elaborate concept of Tree with example and also write its properties.	[10]	Understanding	CO2
B.	Elaborate cut set and cut vertices along with its properties.	[10]	Understanding	CO2
C.	Define spanning tree. Explain krukshal minimum spanning tree with its example	[10]	Understanding	CO2
D.	Define Dual Graph & elaborate Geometric and Combinatorial Dual of graph	[10]	Understanding	CO3
E.	Elaborate planar graph with example and also enlighten Euler theorem on Planar graph.	[10]	Understanding	CO3
F.	Elaborate digraph with its properties & also elaborate euler digraph.	[10]	Understanding	CO3

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Class Test – II   Session - July – Dec 2022-23   Month – January

Sem- 7th (B.Tech IT) Subject- Cloud Computing

Code- D033712(033)

Time Allowed: 2 hrs.   Max Marks: 40

Note: -All questions are mandatory.

Q.N.	Questions	Marks	Levels of Bloom's taxonomy	COs
1.	Elaborate Data Centre and the infrastructural requirements for establishing a modern Data Centre. Also discuss the environmental effects for data Centre.	[8]	Understanding	CO4
2.	Illustrate the different types of services exist in cloud based services offerings?	[8]	Understanding	CO3
3.	Summarize the following cloud services with example: 1. SaaS 2. PaaS 3. IaaS	[8]	Understanding	CO2
4.	Describe the features of Mobile Operating System for smart phones by taking as case study.	[8]	Analyzing	CO5
5.	Elaborate in detail about Software as Service Security.	[8]	Understanding	CO3

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Class Test – II

Session- July-Dec, 2022   Month-Jan 2023

Sem- 7th   Subject- Enterprise Resource Planning   Code- D033713(033)

Time Allowed: 2 hrs.   Max Marks: 40

Note: - Attempt any 3 questions from Unit-IV and any 2 from Unit-V

Q.N.	Questions	Marks	Levels of Bloom's taxonomy	Cos
UNIT-IV				
Q1	List and explain modules of Supply Chain Planning.	[8]	Understanding	CO4
Q2	Explain how ERP support material procurement process?	[8]	Understanding	CO4
Q3	List the difference between make to order, make to stock and assemble to order company?	[8]	Understanding	CO3
Q4	Explain the basic function of a warehouse.	[8]	Understanding	CO4
UNIT-V				
Q1	List different important pre implementation issues for ERP?	[8]	Understanding	CO5
Q2	Explain the financial justification of ERP.	[8]	Understanding	CO5
Q3	Explain ERP implementation in Banks.	[8]	Applying	CO5
Q4	Explain ERP implementation in Education Institute.	[8]	Applying	CO5

Best of Luck

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Class Test – II   Session- July – Dec 2022 Month –January

Sem- B. Tech. 7th**Subject**-Decision Support System   **Code-** D033734(033)

Time Allowed: 2 hrs.   Max Marks: 40

Note: -Attempt any 5 questions. All questions carry equal marks.

Q.N.	Questions	Marks	Levels of Bloom's taxonomy	COs
1.	Explain about the advantages of using decision tools in decision making.	[8]	Understanding	CO4
2.	State about the benefits and pitfalls of OR modeling tools.	[8]	Remember	CO4
3.	Explain about the tools and application of Intelligent decision support system.	[8]	Understanding	CO5
4.	State about the benefits and pitfalls of cutting edges decision support technology.	[8]	Remember	CO5
5.	State about the contribution of e-democracy and e-participation in decision making.	[8]	Remember	CO5
6.	Differentiate decision analysis with strategic decision with an example.	[8]	Understanding	CO4

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Class Test – II   Session- July – Dec 2022 Month – January 2023

Sem- B. Tech. 7th **Subject-** Cryptography and Network Security   **Code-** D033711(033)

Time Allowed: 2 hrs.   Max Marks: 40

*Note: - **All questions are mandatory.***

Q.N.	Questions	Marks	Levels of Bloom's taxonomy	COs
1.	In a Diffie-Hellman Key Exchange, Alice and Bob have chosen prime value q = 17 and primitive root = 5. If Alice's secret key is 4 and Bob's secret key is 6, what is the secret key they exchanged? a. 16 b. 17 c. 18 d. 19	[8]	Applying	CO3
2.	Discuss the Kerberos version 5 message exchange and give the overview of Kerberos using a neat sketch.	[8]	Understanding	CO3
3.	What is Elliptic curve cryptography?	[8]	Understanding	CO3
4.	Elucidate the requirements and properties os a digital signature.	[8]	Understanding	CO4
5.	What is MAC, HMAC and CMAC?	[8]	Understanding	CO4