Shri Shankaracharya Institute of Professional Management & Technology

Department of Information Technology

Class Test – II Session - July – Dec 2023 Month – December

Sem- 7th (B.Tech IT) **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.	Elaborate IP Security with suitable Example.	[8]	Understand	CO5
2.	Describe RSA in Cryptography.	[8]	Understand	CO3
3.	Elucidate the Web Security and SSL (Secure Socket Layer) in detail.	[8]	Understand	CO5
4.	Describe Digital Signature and its working principles, and also describe Hash Function.	[8]	Understand	CO4
5.	Differentiate conventional and public key encryption	[8]	Understand	CO3

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Shri Shankaracharya Institute of Professional Management & Technology
Department of Information Technology
Class Test – II

Session- July-Dec, 2023 **Month-** Dec 2023
Sem- 7th **Subject-** Enterprise Resource Planning **Code-** D033713(033)
Time Allowed: 2 hrs. **Max Marks**: 40

Note: - Attempt any **2 questions** from **Unit-III & IV** and any **1 question** from **Unit-V**

Q.N.	Questions	Marks	Levels of Bloom's taxonomy	Cos
	UNIT-III			
Q1	How can organizations establish clear training objectives for ERP implementation to align with overall business goals?	[8]	Understanding	CO3
Q2	Explain methods and metrics employed to evaluate the effectiveness of ERP training programs.	[8]	Understanding	CO3
Q3	Describe the common reasons for the failure of ERP implementations, and how can organizations mitigate these risks.	[8]	Understanding	CO3
	UNIT-IV			
Q1	Identify the key components and functionalities of Human Capital Management (HCM) within an ERP system.	[8]	Understanding	CO4
Q2	List the difference between make-to-order, make-to-stock, and assemble-to-order companies.	[8]	Understanding	CO4
Q3	Explain the role of ERP in effective production planning and scheduling in manufacturing.	[8]	Understanding	CO4
	UNIT- V			
Q1	Explain different important pre-implementation issues of ERP system.	[8]	Understanding	CO5
Q2	Discuss the case study: mySAP Business Suite implementation at ITC.	[8]	Understanding	CO5

Best of Luck

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Class Test – II

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Department of Information Technology

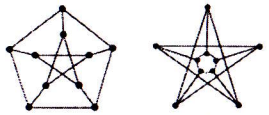
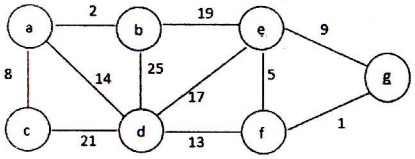
Class Test – II

Session- July-Dec, 2023 **Month-** Dec 2023

Sem- 7th **Subject-** Graph Theory and Applications **Code-** D000738(033)

Time Allowed: 2 hrs. **Max Marks**: 40

Note: - Attempt any **5 questions each carry equal marks.**

Q.N.	Questions	Marks	Levels of Bloom's taxonomy	Cos
Q1	Explain planar graph with its properties. Also find the number of vertices in connected planar simple graph G with 35 regions, degree of each region is 6.?	[8]	Apply	CO3
Q2	Explain Geometric and Combinatorial Dual with a suitable example	[8]	Understanding	CO3
Q3	Explain the Cut-set matrix and path-set matrix with its properties.	[8]	Understanding	CO4
Q4	Describe the steps to find the adjacency matrix and incidence matrix for a directed graph with a simple example.	[8]	Understanding	CO4
Q5	Check whether the two graphs are isomorphic or not. Justify your answer. 	[8]	Apply	CO5
Q6	Apply Kruskal's procedure to find the minimum spanning tree from the following graph G. 	[8]	Apply	CO5

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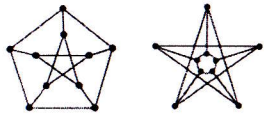
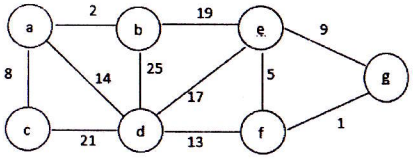
Q5	Check whether the two graphs are isomorphic or not. Justify your answer. 	[8]	Apply	CO5
Q6	Apply Kruskal's procedure to find the minimum spanning tree from the following graph G. 	[8]	Apply	CO5

Best of Luck

Shri Shankaracharya Institute of Professional Management & Technology

Department of Information Technology

Class Test – II Session- Jul – Dec 2023 Month- December 2023

Sem- IT 7th, Subject- Decision Support System, Code- D033734(033)

Time Allowed: 2 hrs. Max Marks: 40

Note: - Question number 7 is mandatory. Attempt any 4 from the rest.

Q.N.	Questions	Marks	Levels of Bloom's taxonomy	COs
1.	What are the guiding principles of normative analysis?	8	Understand	CO3
2.	How does requisite modeling differ from other modeling approaches?	8	Understand	CO3
3.	How do normative, descriptive, and prescriptive analysis differ from recognition-primed decision tools?	8	Understand	CO3
4.	How does an MIS provide information for organizational decision-making?	8	Understand	CO3
5.	What are the key considerations for designing and implementing an effective EIS?	8	Understand	CO4
6.	How can risk assessment be used to identify and evaluate potential risks associated with decisions?	8	Understand	CO4
7.	What are some of the latest and most innovative decision support technologies emerging today?	8	Understand	CO5

Shri Shankaracharya Institute of Professional Management & Technology

Department of Information Technology

Class Test – II Session- Jul – Dec 2023 Month- December 2023

Sem- IT 7th, Subject- Decision Support System, Code- D033734(033)

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2.	How does requisite modeling differ from other modeling approaches?	8	Understand	CO3
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Class Test – II Session- Jul – Dec 2023 Month- December 2023

Sem- IT 7th, Subject- Cloud Computing, Code- D033712(033)

Time Allowed: 2 hrs. Max Marks: 40

Note: - Question number 7 is mandatory. Attempt any 4 from the rest.

Q.N.	Questions	Marks	Levels of Bloom's taxonomy	COs
1.	What are the key characteristics of High-Performance Computing?	8	Understand	CO3
2.	What are the different deployment models for cloud computing?	8	Understand	CO3
3.	What are the limitations of cloud computing in terms of security and privacy?	8	Understand	CO3
4.	What are the challenges of ensuring compliance with data privacy regulations in the cloud?	8	Understand	CO3
5.	How does load balancing improve performance and scalability in web and application systems?	8	Understand	CO4
6.	How can virtualization contribute to the adoption of cloud computing strategies in enterprises?	8	Understand	CO4
7.	What are the key features and services offered by Amazon Web Services and differentiate itself from other cloud providers?	8	Analyze	CO4

Shri Shankaracharya Institute of Professional Management & Technology

Department of Information Technology

Class Test – II Session- Jul – Dec 2023 Month- December 2023

Sem- IT 7th, Subject- Cloud Computing, Code- D033712(033)

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