Shri Shankaracharya Institute of Professional Management & Technology Department of Information Technology

SSIPMT

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

Shri Shankaracharya Institute of Professional Management & Technology Department of Information Technology

SSIPMT A

Class Test – II Session - July – Dec 2023 Month – December Sem - 7th (B.Tech IT) Subject-Cryptography and Network Security Code – D033711(033)

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SSIPMT

Shri Shankaracharya Institute of Professional Management & Technology Department of Information Technology

Class Test - II

Session-July-Dec, 2023

Time Allowed: 2 hrs.

Subject- Enterprise Resource Planning

Code- D033713(033) Month- Dec 2023

Max Marks: 40

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

COS	Understanding	[8]	Discuss the case study: mySAP Business Suite implementation at ITC.	Q2
CO5	Understanding	[8]	Explain different important pre-implementation issues of ERP system.	Q1
			UNIT- V	
C04	Understanding	[8]	Explain the role of ERP in effective production planning and scheduling in manufacturing.	Q3
C04	Understanding	[8]	List the difference between make-to-order, make-to-stock, and assemble-to-order companies.	Q2
C04	Understanding	[8]	Identify the key components and functionalities of Human Capital Management (HCM) within an ERP system.	Q
			ONITIVU	
C03	Understanding	[8]	Describe the common reasons for the failure of ERP implementations, and how can organizations mitigate these risks.	Q3
СОЗ	Understanding	[8]	Explain methods and metrics employed to evaluate the effectiveness of ERP training programs.	Q2
СО3	Understanding	[8]	How can organizations establish clear training objectives for ERP implementation to align with overall business goals?	Q1
			UNIT-III	
Cos	Levels of Bloom's taxonomy	Marks	Questions	Q.N.

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Shri Shankaracharya Institute of Professional Management & Technology Department of Information Technology

Class Test - II

Session-July-Dec, 2023

Sem- 7th Subject- Enterprise Resource Planning

Time Allowed: 2 hrs.

Code- D033713(033) Month- Dec 2023

Max Marks: 40

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Ö.Z.	Questions	Marks	Levels of Bloom's	Cos
-			taxonomy	
The second secon	UNIT-III	TOTAL COLUMN TO THE STATE OF TH	Andrea and	CONTRACTOR
	How can organizations establish clear training		*	
Q1	objectives for ERP implementation to align with	<u>[8]</u>	Understanding	
MATERIAL STATE OF THE STATE OF	overall business goals?			6
	Explain methods and metrics employed to evaluate	•		
Q2	the effectiveness of ERP training programs.	<u>~</u>	Understanding	CO3
And the second s	Describe the common reasons for the failure of	The second secon		
23	ERP implementations, and how can organizations	8	Understanding	CO3
ξ.	mitigate these risks.			
	UNIT-IV			
	Identify the key components and functionalities of			
Q1	Human Capital Management (HCM) within an	8	Understanding	2
	ERP system.			(
	List the difference between make-to-order, make-			
Q2	to-stock, and assemble-to-order companies.	<u>~</u>	Understanding	C04
COMMAND SPRINGS LABOUR VICTOR SOMEONE SERVICE	Explain the role of ERP in effective production			
Q3	planning and scheduling in manufacturing.	<u>~</u>	Understanding	C04
A COMPANY OF THE PROPERTY OF T	UNIT- V			
)	Explain different important pre-implementation		: :	2
Q	issues of ERP system.	<u>~</u>	Understanding	COS
The state of the s	Discuss the case study: mySAP Business Suite		Understanding)
Q2	implementation at ITC.	<u>«</u>	MACA MATERIAL PROPERTY OF THE	COS

Shri Shankaracharya Institute of Professional Management & Technology Department of Information Technology

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Class Test - II

Session- July-Dec, 2023 Sem- 7th

Subject- Graph Theory and Applications Code- D000738(033) Month- Dec 2023

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
	Explain planar graph with its properties. Also find the number of vertices in connected planar simple			
61	graph G with 35 regions, degree of each region is 6.?	[8]	Apply	C03
Q2	Explain Geometric and Combinatorial Dual with a suitable example	[8]	Understanding	CO3
63	Explain the Cut-set matrix and path-set matrix with its properties.	[8]	Understanding	C04
\$	Describe the steps to find the adjacency matrix and incidence matrix for a directed graph with a simple example.	[8]	Understanding	C04
ÓS	Check whether the two graphs are isomorphic or not. Justify your answer.	, [8]	Apply	CO5
90	Apply Kruskal's procedure to find the minimum spanning tree from the following graph G.	[8]	Apply	CO5

Shri Shankaracharya Institute of Professional Management & Technology Department of Information Technology SSIPMT

Class Test - II

Session- July-Dec, 2023 Sem- 7th

Subject- Graph Theory and Applications Code- D000738(033)

Month- Dec 2023

Time Allowed: 2 hrs.

Max Marks: 40

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

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Q.N.	Questions	Marks	Levels of Bloom's taxonomy	Š
-	Explain planar graph with its properties. Also find the number of vertices in connected planar simple			
61	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
9	Describe the steps to find the adjacency matrix and incidence matrix for a directed graph with a simple example.	[8]	Understanding	C04
65	Check whether the two graphs are isomorphic or not. Justify your answer.	[8]	Apply	005
90	Apply Kruskal's procedure to find the minimum spanning tree from the following graph G. Apply Kruskal's procedure to find the minimum spanning tree from the following graph G.		Apply	005

Best of Luck

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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

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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

SSIPMT A

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)

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)

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