



Shri Shankaracharya Institute of Professional Management & Technology

Department of Information Technology

Class Test –I Session- July-DEC, 2021 Month-OCT

Sem- IT 7th Subject- Advance Computer Architecture- 322741(22)

Time Allowed: 2 hrs Max Marks: 40

Note: - 1. Question 1&2 is compulsory, carry 5 marks each. 2. Attempt any 5 from question 3 to 8. All carry equal marks.

Q.N.	Questions	Marks	Levels of Bloom's taxonomy	COs
Unit I				
1.	What is Dynamic Instruction scheduling?	[5]	Understanding	CO1
2.	What are the various types of pipelining?	[5]	Understanding	CO2
3.	What are the advantages of super scalar processor?	[6]	Applying	CO3
4.	Write about arithmetic pipeline design.	[6]	Understanding	CO1
5.	How memory blocks are mapped to cacheline? Write example.	[6]	Applying	CO3
6.	Design & write VLIW architecture in brief.	[6]	Understanding	CO1
7.	What are the advantages & use of dynamic instruction scheduling?	[6]	Applying	CO3
8.	Why performance of Associative mapping is best among another types of cacheline mapping?	[6]	Applying	CO1

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Class Test – I Session: Jul – Dec, 2021



Sem- 7th

Subject- Management Information System and IT

Time Allowed: 2 hrs Max Marks: 40

Note: - Attempt any 5 Question. All Carry 8 Marks.

Q. N.	Questions	Marks	Levels of Bloom's taxonomy	COs
1.	Define the concept of Organizational Information Subsystems.	[8]	Remember	CO1
2.	Explain Human Resource and give the factors which affects MIS.	[8]	Understand	CO1
3.	Draw and Explain MIS model.	[8]	Remember	CO1
4.	What is GIS and also explain different problems in implementing GIS?	[8]	Understand	CO2
5.	Describe Information Resource Management Concept.	[8]	Remember	CO2
6.	What is CBIS and how to manage the CBIS?	[8]	Remember	CO2
7.	Explain firm? How is information important in a firm?	[8]	Understand	CO2



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Class Test – I Session- Jul – Dec 2021 Month- October

Sem- IT 7th, Subject- Artificial Intelligence & Expert Systems, Code- 333733(22)

Time Allowed: 2 hrs Max Marks: 40

Note: - All Questions are compulsory.

Q.N.	Questions	Marks	Levels of Bloom's taxonomy	COs
Unit I				
A.	Elaborate Alpha-Beta Pruning.	[8]	Understanding	CO1
B.	Enlighten Predicate logic and clarify how knowledge is represented using predicate logic?	[8]	Applying	CO2
C.	Elaborate A* algorithm with suitable example.	[8]	Understanding	CO1
D.	In what manner frames works?	[8]	Understanding	CO2
E.	Clarify Cryptarithmic Problem SEND + MORE = MONEY	[8]	Applying	CO1



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Class Test – I Session- Jul – Dec 2021 Month- October

Sem- IT 7th, Subject- Artificial Intelligence & Expert Systems, Code- 333733(22)

Time Allowed: 2 hrs Max Marks: 40

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Class Test – I Session- July-Dec, 2021 Month- October

B.Tech-IT, Sem- 7th Subject- Data mining and warehousing Code- 333731(22)

Time Allowed: 2 hrs Max Marks: 40

Note: - All Questions are compulsory.

Q.N.	Questions	Marks	Levels of Bloom's taxonomy	COs
Section A				
1.	What is Data Warehouse? Explain the 3-tier architecture of data warehouse.	[8]	Understand	CO1
2.	What are the different building blocks components of Data Warehouse? Demonstrate with diagram?	[7]	Understand	CO1
3.	Describe the needs for Data Warehouse and also illustrate the benefits of using a data warehouse?	[5]	Remember	CO1
Section B				
4.	Describe the Dimensional modeling? Also write the advantages and disadvantages of dimensional modeling.	[7]	Understand	CO2
5.	What are the different steps are required for dimensional modeling?	[7]	Understand	CO2
6.	Describe Multi-Dimensional Data Model with example.	[6]	Understand	CO2

Shri Shankaracharya Institute of Professional Management & Technology, Raipur

Department of Information Technology



Class Test -01

Session- July-Dec 2021

Month-Oct

Sem- 7th

Subject: Cryptography and Network Security 322734(22)

Time Allowed: 2 hrs.

Max Marks: 40

Attempt any 5 questions. All questions carry equal marks.

Q. No.	Questions	Marks	Levels of Bloom's taxonomy	COs
1.	Describe the types of security attacks in detail.	[8]	Reminder	CO1
2.	Describe the working principles of DES. What are the advantages and disadvantages of triple DES over DES?	[8]	Understanding	CO1
3.	Discuss working of AES for encryption/ decryption with example.	[8]	Understanding	CO1
4.	Discuss Euclid algorithm with suitable example.	[8]	Understanding	CO1
5.	Short notes on: (Any two) a) Playfair cipher b) Transposition Technique c) Steganography	[8]	Understanding	CO1
6.	Describe public key cryptosystem in detail.	[8]	Reminder	CO2