



<p style="text-align: center;">  Shri Shankaracharya Institute of Professional Management & Technology Department of CSE Class Test – I Session- July – dec.2021 Month-October. Sem- CSE 7th Subject-Cryptography & Network Security Code-322734(22) Time Allowed: 2 hrs Max Marks: 40 </p>			
Q.N.	Questions	Marks	Levels of Bloom's taxonomy
1	Given plain text=10,two prime numbers P=7,Q=17,then calculate the Encryption key,Decryption key and Cipher text using RSA algorithm.	[8]	Applying
2.	Analyze briefly the working of 16ROUNDS in DES	[8]	Understanding
3.	Differentiate between Substitution and Transposition technique with the help of suitable examples.	[8]	Understanding
4.	Illustrate model of cryptography with neat and clean diagram	[8]	Understanding
5.	Evaluate (a) $6^{10} \text{ mod } 11$ (b) $3^{12} \text{ mod } 11$ (c) the value of cipher text from a plain text in Playfair cipher by taking suitable example.	[2] [2] [4]	Applying
6.	Point out and describe why DIFFIE-HELLMAN KEY EXCHANGE is Used? Explain the above by taking suitable example.	[8]	Apply

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Shri Shankaracharya Institute of Professional Management & Technology
Department of Computer Science & Engineering
 Class Test – I Session- July – Dec, 2021 Month-October
Sem- CSE 7th Subject- Palallel Processing & Computing Code-322732(22)
 Time Allowed: 2 hrs Max Marks: 40

Note: - All questions from PART I and PART 2. Each question of PART I carries 2 Marks and 8 marks for PART 2. All questions from PART I is compulsory and solve any 4 questions from PART 2.

Q.N.	Questions	Marks	Levels of Bloom's taxonomy	COs
PART I				
Q1	Define the term palallel processing.	[2]	Remembering	CO1
Q2	70% of a program's execution time occurs inside a loop that can be execute in parallel and rest 30% in serial.What is the maximum speedup we should expect from a parallel version of the program executing on 8 CPU ?	[2]	Applying	CO1
Q3	State Moores's Law.	[2]	Remembering	CO1
Q4	Differentiate between multiprocessor and multicomputer system.	[2]	Understanding	CO2
PART II				
Q1	Illustrate Flynn's Classification with an example.	[8]	Understanding	CO1
Q2	Explain Amdhal's Law.	[8]	Understanding	CO1
Q3	Describe the principle of linear pipeline.	[8]	Understanding	CO1 CO2
Q4	Discuss Cache Coherence and its Protocol.	[8]	Understanding	CO1
Q5	Draw the architecture of CRAY-1 with an explain.	[8]	Creating	CO2



Shri Shankaracharya Institute of Professional Management & Technology
Department of Computer Science & Engineering
 Class Test – I Session- July – Dec, 2021 Month-October
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Shri Shankaracharya Institute of Professional Management & Technology

Department of Computer Science & Engineering

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

Sem- CSE 7th Subject-Cloud Computing Code- 322746(22)

Time Allowed: 2 hrs Max Marks: 40



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

Q.N.	Questions	Marks	Levels of Bloom's taxonomy	COs
1.	Define Cloud Computing. Also identify its common characteristics.	[8]	Understanding	CO1
2.	State emergence of Cloud Computing technology.	[8]	Remembering	CO1
3.	Illustrate the service models of cloud computing.	[8]	Understanding	CO3
4.	Explain various cloud deployment models.	[8]	Understanding	CO1
5.	Interpret the cloud computing advantages and disadvantage.	[8]	Applying	CO1
6.	Write about Communication-as-a-Service.	[8]	Applying	CO3

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Department of Computer Science & Engineering

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

Sem- CSE 7th Subject-Cloud Computing Code- 322746(22)

Time Allowed: 2 hrs Max Marks: 40



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4.	Explain various cloud deployment models.	[8]	Understanding	CO1
5.	Interpret the cloud computing advantages and disadvantage.	[8]	Applying	CO1
6.	Write about Communication-as-a-Service.	[8]	Applying	CO3



Shri Shankaracharya Institute of Professional Management & Technology
Department of Computer Science & Engineering
 Class Test – I Session- July – Dec, 2021 Month- Oct
 Sem- CSE 7th Subject- Network Programming Code- 322733(22)
 Time Allowed: 2 hrs Max Marks: 40

Note: - All questions are compulsory. Each question of PART I carries 2 marks and 8 marks for PART 2.

Q.N.	Questions	Marks	Levels of Bloom's taxonomy	COs
PART I				
Q1	Describe the concept of Socket.	[2]	Remembering	CO1
Q2	Define your understanding of UUPC?	[2]	Understanding	CO2
Q3	Write note on listen, exec, close system calls.	[2]	Understanding	CO2
Q4	Write short notes on Ephemeral and Reserved TCP ports.	[2]	Remembering	CO1
PART II				
Q1	Illustrate the IPV4 and IPV6 address structure.	[8]	Understanding	CO2
Q2	Describe the setup and working of IPX / SPX in detail.	[8]	Understanding	CO2
Q3	Elaborate different POSTX data type in creating socket.	[8]	Understanding	CO1
Q4	Write a note on application of various I/O Models descriptively.	[8]	Applying	CO2



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 Class Test – I Session- July – Dec, 2021 Month- Oct
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Shri Shankaracharya Institute of Professional Management & Technology
Department of Computer Science & Engineering
 Class Test – I Session- July-Dec, 2021 Month- October
Sem- CSE 7th Subject- MOBILE COMPUTING AND APPLICATIONS

Code- 322731(33)

Allowed: 2 hrs

Max Marks: 40

Note: - All questions from PART I and PART 2. Each question of PART I carries 2 Marks and 8 marks for PART 2
 All questions from PART I are compulsory and Solve any 4 question from PART 2.

Q.No.	Questions	Marks	Levels of Bloom's taxonomy	Cos
PART I				
Q1.	Justify the reason behind the hexagonal shape of Cell.	[2]	Understanding	CO1
Q2.	Describe Multiplexing.	[2]	Remembering	CO2
Q3.	Define term DECT System.	[2]	Remembering	CO2
Q4.	Classify GSM Channel.	[2]	Remembering	CO1
PART II				
Q1.	Describe multiplexing. Explain different types of multiplexing techniques and state their merits and demerits.	[8]	Understanding	CO2
Q2.	Explain concept of Handoff and its types with characteristics.	[8]	Understanding	CO1
Q3.	Illustrate the architecture of GSM with a neat diagram.	[8]	Understanding	CO1
Q4.	Describe PACS functional architecture.	[8]	Understanding	CO2
Q5.	Explain the concept of Dropped Call Rate and its Evaluation.	[8]	Understanding	CO1



Shri Shankaracharya Institute of Professional Management & Technology
Department of Computer Science & Engineering
 Class Test – I Session- July-Dec, 2021 Month- October
Sem- CSE 7th Subject- MOBILE COMPUTING AND APPLICATIONS

Code- 322731(33)

Allowed: 2 hrs

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