

	SRM Institute of Science and Technology Department of Information Technology Model Practical Examination Subject Code and Name : 18CSC302J-Computer Networks Date : Reg. No :			
Aim & Procedure (5)	Program (10)	Output & Result (5)	VIVA(5)	Total (25)
	A system can provide an attacker with the ability to execute malicious code taking complete control of the host system through the users' privileges in real-time. Help the attacker to access any computing device and make changes, which is connected in WAN.			

Internal Examiner 1

Internal Examiner 2

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Aim & Procedure (5)	Program (10)	Output & Result (5)	VIVA(5)	Total (25)
	Write a code to communicate System A in a network, to System B located in a far-away location, so that System A can execute any command in System B despite its geographical location			

Internal Examiner 1

Internal Examiner 2

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Aim & Procedure (5)	Program (10)	Output & Result (5)	VIVA(5)	Total (25)
	Jack needs a file to be read from Jane's system located in different network. Help Jack to access the file from Jane's local area network. Also enable Jack to update the accessed file and store the updated file in his system memory.			

Internal Examiner 1

Internal Examiner 2

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Aim & Procedure (5)	Program (10)	Output & Result (5)	VIVA(5)	Total (25)
	Alice has prepared a document for a building construction from system 1 in LAN 2. She wants to share the document to the site engineer, who is in system 32 in LAN 4. The communication should be a reliable data deliver. Write a code to help Alice for sharing the file over a reliable communication			

Internal Examiner 1

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Aim & Procedure (5)	Program (10)	Output & Result (5)	VIVA(5)	Total (25)
	Help Bob to access the physical address of Alice's system for the connectionless communication between the two.			

Internal Examiner 1

Internal Examiner 2

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Aim & Procedure (5)	Program (10)	Output & Result (5)	VIVA(5)	Total (25)
	Help Alice to access the physical address of Bob's system for the connection oriented data transmission between the two.			

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Aim & Procedure (5)	Program (10)	Output & Result (5)	VIVA(5)	Total (25)
	Mark is asking for the system design of the project work from Alex's system. For initiating the communication with Alex, he wants to know the exact date and time of Alex's system. Write a code for Mark, to help him seek the data and time of Alex's system.			

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Aim & Procedure (5)	Program (10)	Output & Result (5)	VIVA(5)	Total (25)
	A client wants to establish a reliable connection to the server, which is on the same LAN. Demonstrate the concept with the relevant handshake communication.			

Internal Examiner 1

Internal Examiner 2

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Aim & Procedure (5)	Program (10)	Output & Result (5)	VIVA(5)	Total (25)
		Jane has prepared a document for a fashion show from system 1 in LAN 2. She wants to share the document to the event organizer, who is in system 32 in LAN 4. Write a code to help Jane for establishing a reliable communication with the organizer.		

Internal Examiner 1

Internal Examiner 2

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Aim & Procedure (5)	Program (10)	Output & Result (5)	VIVA(5)	Total (25)
		A client, using a wireless device wants to communicate to the server located in an unknown location. Demonstrate the concept with the relevant protocol communication.		

Internal Examiner 1

Internal Examiner 2

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Aim & Procedure (5)	Program (10)	Output & Result (5)	VIVA(5)	Total (25)
<p>Write a code to help Ronald to read a line of text from his system and communicate a line of text to his Company's server. On a condition, the server should read the line from its network input and echo the line back to him, ensuring the reliable communication. Also, Ronald should be able to read the echoed line in his system at the same time.</p>				

Internal Examiner 1

Internal Examiner 2

<p align="center"> SRM Institute of Science and Technology Department of Information Technology Model Practical Examination Subject Code and Name : 18CSC302J-Computer Networks Date : _____ Reg.No : _____ </p>			
Aim & Procedure (5)	Output & Result (5)	VIVA(5)	Total (25)

Write a code to help Ronald to read a line of text from his system and communicate a line of text to his Company's server. On a condition, the server should read the line from its network input and echo the line back to him, ensuring the reliable communication. The client and the server should not be synchronized at the same time.

Internal Examiner 1

Internal Examiner 2

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<p align="center">SRM Institute of Science and Technology Department of Information Technology Model Practical Examination Subject Code and Name : 18CSC302J-Computer Networks</p> <p>Date : _____ Reg.No : _____</p>			
Aim & Procedure (5)	Output & Result (5)	VIVA(5)	Total (25)
Configure a network for a start-up company, encapsulating and authenticating the routing using a networking tool.			

Internal Examiner 1

Internal Examiner 2

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<p align="center">SRM Institute of Science and Technology Department of Information Technology Model Practical Examination Subject Code and Name : 18CSC302J-Computer Networks</p> <p>Date : _____ Reg.No : _____</p>			
Aim & Procedure (5)	Output & Result (5)	VIVA(5)	Total (25)

Help a new budding company to setup a network connecting a number of departments over IPv6 protocol. Suggest how to implement the concept

Internal Examiner 1

Internal Examiner 2

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Aim & Procedure (5)	Output & Result (5)	VIVA(5)	Total (25)
Vulnerabilities can provide an attacker with the ability to execute malicious code and take complete control of an affected system with the privileges of the user running the application. After gaining access to the system, attackers will often attempt to elevate their privileges. It is the ability an attacker has to access someone else's computing device and make changes, no matter where the device is geographically located. Write a code implementing the same.			

Internal Examiner 1

Internal Examiner 2

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Aim & Procedure (5)	Output & Result (5)	VIVA(5)	Total (25)
Configure a network for a start-up company, protecting the data and ensuring the claimed identity using the relevant protocols			

Internal Examiner 1

Internal Examiner 2