RUBRICS: SSC-2024
1st ANNUAL EXAMINATION 2024
SUBJECT: COMPUTER SCIENCE SSC-I (Paper-B)

# / Part #	Criteria	Level 1 (Marks)	Level 2 (Marks)	Level 3 (Marks)	Level 4 (Marks)	Level 5 (Marks)	Level 6 (Marks
2(i)	Description of Web Developer	Correct Description(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Name of programming language	Correct Name (01)	Wrong/Irrelevant answer(0)				
OR	Interface of Operating System Interface 1:	Correct Description(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Interface 2:	Correct Description(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
2(ii)	System Analyst different from a Programmer: Difference 1	Any 1st Correct Difference(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Difference 2	Any 2nd Correct Difference(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
OR	Objectives of operating system: Objective 1	Any 1st Correct objective(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Objective 2	Any 2nd Correct objective(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
2(iii)	Comparison of absolute address with Relative address: Comparison 1	Any 1st Correct Comparison(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Comparison 2	Any 2nd Correct Comparison(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
OR	Description of Data Transmission	Correct Description(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Example of Data Transmission	Correct Example(01)	Wrong/Irrelevant answer(0)				

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2(iv)	Working of DSL description	Correct Description(02)	Any relevant information (01)	Wrong/Irrelevant answer(0)			
OR	Description of Communication Device	Correct Description(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Examples of Communication Devices	Any two Correct Examples(01)	Any one Correct Example(0.5)	Wrong/Irrelevant answer(0)			
2(v)	Limitations of CLI Interface: Limitation 1	Correct Description(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Limitation 2	Correct Description(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
OR	Effect on Computer if the storage devices are removed: Effect 1	Correct Description(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Effect 2	Correct Description(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
2(vi)	Difference between single user and multiuser Operating system: Difference 1	Any 1st Correct difference (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Difference 2	Any 2nd Correct difference (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
OR	Description of Auto-Calculation in MS-Excel	Correct Description(02)	Any relevant information (01)	Wrong/Irrelevant answer(0)			

2(vii)	Comparison between impact and non-impact printer: Comparison 1	Any 1st Correct Comparison (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Comparison 2	Any 2nd Correct Comparison (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
OR	Comparison between radio waves and Microwave Comparison 1	Any 1st Correct Comparison (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Comparison 2	Any 2nd Correct Comparison (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
2(viii)	Difference between half duplex and full duplex modes of data communication: Difference 1	Any 1st Correct difference (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Difference 2	Any 2nd Correct difference (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
OR	Difference between LAN and WAN: Difference 1	Any 1st Correct difference (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Difference 2	Any 2nd Correct difference (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
2(ix)	Reason of how Star topology provides centralized control over data transmission	Correct Description(02)	Partially Correct description(01)	Wrong/Irrelevant answer(0)			
OR	Name of malware	Correct name (01)	Wrong/Irrelevant answer(0)				
	Reason of selecting malware	Any correct reason(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
2(x)	Name of authentication method	Correct name (01)	Wrong/Irrelevant answer(0)				

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	Justification for selecting method	Correct Justification (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
OR	Best unguided media selection w.r.t : High Bandwidth:	Correct Description(0.5)	Wrong/Irrelevant answer(0)				
	w.r.t : High Transmission Rate	Correct Description(0.5)	Wrong/Irrelevant answer(0)				
	w.r.t : Minimum delay	Correct Description(0.5)	Wrong/Irrelevant answer(0)				
	w.r.t : Minimum impairment	Correct Description(0.5)	Wrong/Irrelevant answer(0)				
2(xi)	Applications of Hybrid computers in hospitals: Application 1	Any 1st Correct application(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Application 2	Any 2nd Correct application(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
OR	Reason of how Synchronous transmission is better than Asynchronous 1st Reason	Any 1st Correct reason (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	2nd Reason	Any 2nd Correct reason (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
3	Description of Device drivers	Correct description (1)	Partially correct description (0.5)	Wrong/ Irrelevant answer (0)			
	Example of Device Driver	Correct Example (1)	Wrong/ Irrelevant answer (0)				
	Description of Utility program	Correct description (1)	Partially correct description (0.5)	Wrong/ Irrelevant answer (0)			
	Example of Utility program	Correct Example (1)	Wrong/ Irrelevant answer (0)				

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	Description of Operating system	Correct description (0.5)	Wrong/ Irrelevant answer (0)				
	Example of Operating system	Correct Example (0.5)	Wrong/ Irrelevant answer (0)				
OR	Description of icon-1	Correct description (1)	Any relevant statement (0.5)	Wrong/ Irrelevant answer (0)			
	Description of icon-2	Correct description (1)	Any relevant statement (0.5)	Wrong/ Irrelevant answer (0)			
	Description of icon-3	Correct description (1)	Any relevant statement (0.5)	Wrong/ Irrelevant answer (0)			
	Description of icon-4	Correct description (1)	Any relevant statement (0.5)	Wrong/ Irrelevant answer (0)			
	Description of icon-5	Correct description (1)	Any relevant statement (0.5)	Wrong/ Irrelevant answer (0)			
4	Advantages of office automation software.	Any two correct advantages(02)	Any one correct advantage(01)	Any relevant statement (0.5)	Wrong/ Irrelevant answer (0)		
	Main uses of MS Word	Any correct Uses (1)	Any relevant statement (0.5)	Wrong/ Irrelevant answer (0)			
	Main uses of MS Excel	Any correct Uses (1)	Any relevant statement (0.5)	Wrong/ Irrelevant answer (0)			
	Main uses of Inpage	Any correct Uses (1)	Any relevant statement (0.5)	Wrong/ Irrelevant answer (0)			
OR	Description of MODEM	Correct description of Modem (2)	Partially Correct description of Modem (1)	Wrong/ Irrelevant answer (0)			

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	Differentiation between Modulation and De-Modulation.	Correct differentiation (02)	Partially correct differentiation (01)	Wrong/ Irrelevant answer (0)			
	Diagram to illustrate the process.	Correct diagram (1)	Partially correct diagram(0.5)	Wrong/ Irrelevant answer (0)			
5	Prove of Wired network is better than Wireless: Prove No.1	Correct description (1)	Any relevant statement (0.5)	Wrong/ Irrelevant answer (0)			
	Prove No.2	Correct description (1)	Any relevant statement (0.5)	Wrong/ Irrelevant answer (0)			
	Prove No.3	Correct description (1)	Any relevant statement (0.5)	Wrong/ Irrelevant answer (0)			
	Prove No.4	Correct description (1)	Any relevant statement (0.5)	Wrong/ Irrelevant answer (0)			
	Prove No.5	Correct description (1)	Any relevant statement (0.5)	Wrong/ Irrelevant answer (0)			
OR	Description of Malicious Software	Correct description of Malicious Software (1)	Partially Correct description of Malicious Software (0.5)	Wrong/ Irrelevant answer (0)			
	Comparison of VIRUS and WORM in computers(similarities)	Any two correct similarities (02)	Any one correct similarity (01)	Any relevant statement (0.5)	Wrong/ Irrelevant answer (0)		
	Comparison of VIRUS and WORM in computers(differences)	Any two correct differences (02)	Any one correct difference (01)	Any relevant statement (0.5)	Wrong/ Irrelevant answer (0)		
6	Description of network topology.	Correct description of network topology (1)	Partially Correct description of network topology (0.5)	Wrong/ Irrelevant answer (0)			

	Comparison of the advantages of most expensive and the least expensive network topologies	Any two correct advantages (02)	Any one correct advantage (01)	Any relevant statement(0.5)	Wrong/ Irrelevant answer (0)	
	Comparison of the limitations of most expensive and the least expensive network topologies	Any two correct limitations (02)	Any one correct limitation (01)	Any relevant statement(0.5)	Wrong/ Irrelevant answer (0)	
OR	Role of Protocol	Correct description of Modem (2)	Partially Correct description of Modem (1)	Any relevant statement(0.5)	Wrong/ Irrelevant answer (0)	
	Working of Protocol	Any two Correct differentiation (02)	Any one Correct differentiation (01)	Any relevant statement (0.5)	Wrong/ Irrelevant answer (0)	
	Diagram	Correct diagram (1)	Partially correct diagram(0.5)	Wrong/ Irrelevant answer (0)		

Note: All the markers must know the solutions of all the question items of the question paper before starting marking.

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SUBJECT: COMPUTER SCIENCE SSC-I (Paper-D)

# / Part #	Criteria	Level 1 (Marks)	Level 2 (Marks)	Level 3 (Marks)	Level 4 (Marks)	Level 5 (Marks)	Level 6 (Marks
2(i)	Description of HPC	Correct description (1)	Any relevant statement(0.5)	Wrong/Irrelevant answer (0)			
	Description of Cloud computing	Correct description (1)	Any relevant statement(0.5)	Wrong/Irrelevant answer (0)			
OR	Description of Real time operating system	Correct Description(01)	Any relevant Statement (0.5)	Wrong/Irrelevant answer (0)			
	Example of real time operating system	Correct Example(01)	Wrong/Irrelevant answer (0)				
2(ii)	Characteristics of 3rd generation 1st Characteristic :	Correct description (1)	Any relevant statement(0.5)	Wrong/Irrelevant answer (0)			
	Characteristics of 3rd generation 2nd Characteristic :	Correct description (1)	Any relevant statement(0.5)	Wrong/Irrelevant answer (0)			
OR	Role of anti-virus:	Correct description of any two roles (2)	Correct description of any one role(1)	Any relevant statement(0.5)	Wrong/Irrelevant answer (0)		
2(iii)	Description of conditional formatting in MS Excel	Correct description (02)	Partially Correct description (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer (0)		
OR	Diagram of data communication model: 1st Component	Correct diagram of 1st Component (0.5)	Wrong/Irrelevant answer (0)				
	2nd Component	Correct diagram of 2nd Component (0.5)	Wrong/Irrelevant answer (0)				
	3rd Component	Correct diagram of 3rd Component (0.5)	Wrong/Irrelevant answer (0)				
	4th Component	Correct diagram of 4th Component (0.5)	Wrong/Irrelevant answer (0)				

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2(iv)	Description of computer network	Correct description (1)	Any relevant statement(0.5)	Wrong/Irrelevant answer (0)			
	Enlistment of any two network types according to distance	Any two correct types(01)	Any one correct type(0.5)	Wrong/Irrelevant answer (0)			
OR	Characteristics of a good communication system: 1st characteristic	Any 1st Correct characteristic (01)	Partially Correct 1st characteristic (0.5)	Wrong/Irrelevant answer (0)			
	Characteristics of a good communication system: 2nd characteristic	Any 2nd Correct characteristic (01)	Partially Correct 2nd characteristic (0.5)	Wrong/Irrelevant answer (0)			
2(v)	Function of operating system as "Resource Manager"	Correct description (02)	Partially Correct description (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)		
OR	Reason of how cache memory increase processing speed	Correct description (02)	Partially Correct description (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)		
2(vi)	Differentiation between RAM and ROM: 1st Difference	Any 1st Correct difference (01)	Partially Correct 1st difference(0.5)	Wrong/Irrelevant answer(0)			
	2nd Difference	Any 2nd Correct difference (01)	Partially Correct 2nd difference(0.5)	Wrong/Irrelevant answer(0)			
OR	Plotter over printer 1st Reason	Any 1st Correct Reason (01)	Partially Correct 1st reason (0.5)	Wrong/Irrelevant answer(0)			
	2nd Reason	Any 2nd Correct Reason (01)	Partially Correct 2nd reason (0.5)	Wrong/Irrelevant answer(0)			
2(vii)	Uses of In-page software: 1st Use	Any 1st Correct use (1)	Partially Correct 1st use (0.5)	Wrong/Irrelevant answer (0)			
	2nd Use	Any 2nd Correct use (1)	Partially Correct 2nd use (0.5)	Wrong/Irrelevant answer (0)			

OR	Comparison between Infrared and Microwaves: 1st Comparison :	Any 1st Correct Comparison(01)	Partially Correct 1st comparison (0.5)	Wrong/Irrelevant answer(0)			
	2nd Comparison :	Any 2nd Correct Comparison(01)	Partially Correct 2nd comparison (0.5)	Wrong/Irrelevant answer(0)			
2(viii)	Differentiation between attenuation and amplification : 1st Difference	Any 1st Correct differentiation (01)	Partially Correct 1st differentiation (0.5)	Wrong/Irrelevant answer(0)			
	2nd Difference	Any 2nd Correct differentiation (01)	Partially Correct 2nd differentiation (0.5)	Wrong/Irrelevant answer(0)			
OR	Reason of how Mesh topology is better than other topologies 1st Reason	Any 1st Correct Reason (01)	Partially Correct 1st reason (0.5)	Wrong/Irrelevant answer(0)			
	2nd Reason :	Any 2nd Correct Reason (01)	Partially Correct 2nd reason (0.5)	Wrong/Irrelevant answer(0)			
2(ix)	Explanation of satellite communication media	Correct Explanation (01)	Partially Correct Explanation (0.5)	Wrong/Irrelevant answer(0)			
	Diagram of satellite communication media	Correct Diagram (01)	Partially Correct Diagram(0.5)	Wrong/Irrelevant answer(0)			
OR	Description of Multimodal authentication Model	Correct description (02)	Partially Correct description (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)		
2(x)	Feature of MS Excel	Correct description of feature (02)	Partially Correct description (01)	Wrong/Irrelevant answer(0)			
OR	Calculation of the data rate of communication channel	Correct calculation(02)	Some correct steps(01)	Wrong/Irrelevant answer(0)			

2(xi)	Best guided media w.r.t : High Bandwidth	Correct description (0.5)	Wrong/Irrelevant answer(0)				
	w.r.t : High Transmission Rate	Correct description (0.5)	Wrong/Irrelevant answer(0)				
	w.r.t : Minimum delay	Correct description (0.5)	Wrong/Irrelevant answer(0)				
	w.r.t : Minimum impairment	Correct description (0.5)	Wrong/Irrelevant answer(0)				
OR	Identification of network type	Correct identification (01)	Wrong/Irrelevant answer(0)				
	Reason of being better	correct reason(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer (0)			
3	Description of operation of a computer. Operation-1	Correct description (1)	Any relevant statement(0.5)	Wrong/Irrelevant answer (0)			
	Operation-2	Correct description (1)	Any relevant statement(0.5)	Wrong/Irrelevant answer (0)			
	Operation-3	Correct description (1)	Any relevant statement(0.5)	Wrong/Irrelevant answer (0)			
	Operation-4	Correct description (1)	Any relevant statement(0.5)	Wrong/Irrelevant answer (0)			
	Diagram of operation of a computer.	Correct diagram (1)	Wrong diagram (0)				

OR	Any FIVE functions of an Operating System	Any 1st Correct function (01)	Partially Correct 1st function (0.5)	Wrong/Irrelevant answer (0)			
		Any 2nd Correct function (01)	Partially Correct 2nd function (0.5)	Wrong/Irrelevant answer (0)			
		Any 3rd Correct function (01)	Partially Correct 3rd function (0.5)	Wrong/Irrelevant answer (0)			
		Any 4th Correct function (01)	Partially Correct 4th function (0.5)	Wrong/Irrelevant answer (0)			
		Any 5th Correct function (01)	Partially Correct 5th function (0.5)	Wrong/Irrelevant answer (0)			
4	Uses/Advantages of graphical representation in Excel.	Any 1st Correct Use/Advantage (01)	Partially Correct 1st use/advantage (0.5)	Wrong/Irrelevant answer (0)			
		Any 2nd Correct Use/Advantage (01)	Partially Correct 2nd use/advantage (0.5)	Wrong/Irrelevant answer (0)			
		Any 3rd Correct Use/Advantage (01)	Partially Correct 3rd use/advantage (0.5)	Wrong/Irrelevant answer (0)			
		Any 4th Correct Use/Advantage (01)	Partially Correct 4th use/advantage (0.5)	Wrong/Irrelevant answer (0)			
		Any 5th Correct Use/Advantage (01)	Partially Correct 5th use/advantage (0.5)	Wrong/Irrelevant answer (0)			

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OR	Comparison of Synchronous and Asynchronous modes of data transmission	Correct description of any five Similarities/ differences of Synchronous modes (2.5)	Correct description of any four Similarities/ differences of Synchronous modes (2)	Correct description of any three Similarities/ differences of Synchronous modes (1.5)	Correct description of any two Similarities/ differences of Synchronous modes (1)	Correct description of any one Similarity/ difference of Synchronous modes (0.5)	Wrong/Irrelevant answer (0)
	Diagram of Synchronous and Asynchronous modes	Correct diagrams of Synchronous and Asynchronous (2.5)	Correct diagrams of any one and partially correct diagram of another (2)	Correct diagram of any one or Partially correct diagrams of both (1.5)	Partially correct diagram of any one (01)	Wrong/Irrelevant answer (0)	
5	Description of Band width	Correct description of Band width (1)	Any relevant statement(0.5)	Wrong/Irrelevant answer (0)			
	Description of Baud rate	Correct description of Baud rate (1)	Any relevant statement(0.5)	Wrong/Irrelevant answer (0)			
	Description of Data rate	Correct description of Data rate(1)	Any relevant statement(0.5)	Wrong/Irrelevant answer (0)			
	Description of Signal to noise ratio	Correct description of Signal to noise ratio (1)	Any relevant statement(0.5)	Wrong/Irrelevant answer (0)			
	Description of Transmission Impairment	Correct description of Transmission Impairment (1)	Any relevant statement(0.5)	Wrong/Irrelevant answer (0)			
OR	Description of Computer Architecture	Correct description (1)	Partially Correct description (0.5)	Wrong/Irrelevant answer (0)			

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	Advantages of using Client-Server architecture over Peer-to-Peer architecture: Part 1	Any two Correct Advantages(2)	Any one Correct Advantage(1)	Any relevant statement(0.5)	Wrong/Irrelevant answer (0)		
	Advantages of using Client-Server architecture over Peer-to-Peer architecture: Part 2	Any two Correct Advantages(2)	Any one Correct Advantage(1)	Any relevant statement(0.5)	Wrong/Irrelevant answer (0)		
6	Description of Half Duplex and Full Duplex mode in daily life	Correct description of half duplex and full duplex mode (03)	Correct description of any one and partially correct description of another(2)	correct description of any one or Partially correct description of both(1.5)	Any relevant statement for both (01)	Any relevant statement for any one (0.5)	Wrong/Irrelevant answer (0)
	Examples of Half Duplex and full duplex	Correct examples of both(02)	Correct example of any one(01)	Wrong/ Irrelevant answer (0)		o	
OR	Differentiation between Authentication and authorization	Any three Correct differentiation (3)	Any two Correct differentiation (02)	Any one Correct differentiation (01)	Wrong/Irrelevant answer (0)		
	Description of authentication methodology on mobile phones	Correct description (02)	Partially Correct description (01)	Wrong/Irrelevant answer (0)			

Note: All the markers must know the solutions of all the question items of the question paper before starting marking.