

**RUBRICS FIRST ANNUAL EXAMINATION 2024
COMPUTER SCIENCE HSSC-I (Paper-D)**

Q# (Part #)	Criteria	Level 1 (Marks)	Level 2 (Marks)	Level 3 (Marks)	Level 4 (Marks)	Level 5 (Marks)	Level 6 (Marks)
2(i)	Differentiation b/w Shareware and freeware	Correct differentiation(02)	Partially correct differentiation (01)	Wrong/Irrelevant answer(0)			
	Example of shareware	Correct example(0.5)	Wrong/ Irrelevant answer(0)				
	Example of freeware	Correct example(0.5)	Wrong/ Irrelevant answer(0)				
OR	Non-impact printer better than impact printer Reason 1:	Any 1 st Correct Reason(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Reason 2:	Any 2 nd Correct Reason(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Reason 3:	Any 3 rd Correct Reason(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
2(ii)	Differences b/w sequential and direct access devices: Difference 1	Any 1 st Correct Difference(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Difference 2	Any 2 nd Correct Difference(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Difference 3	Any 3 rd Correct Difference(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
OR	Uses of query: Use 1	Any 1 st Correct Use(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Use 2	Any 2 nd Correct Use(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Use 3	Any 3 rd Correct Use(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
2(iii)	EEPROM preferred over ROM: Reason 1	Any 1 st Correct Reason (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Reason 2	Any 2 nd Correct Reason(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Reason 3	Any 3 rd Correct Reason(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
OR	Definition of Form	Correct Definition(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	List Names of 4 form views	Four Correct Names(02)	Three Correct Names(1.5)	Two Correct Names(01)	One Correct Name(0.5)	Wrong/Irrelevant answer(0)	
2(iv)	Identification: MBR General/special	Correct Identification (0.5)	Wrong/Irrelevant answer(0)				
	Use of MBR	Correct Use (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Identification PC General/special	Correct Identification (0.5)	Wrong/Irrelevant answer(0)				
	Use of PC	Correct Use (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
OR	ER Diagram symbols	Correct symbols(01)	Partially correct symbols(0.5)	Wrong/Irrelevant answer(0)			
	Cardinality	Correct cardinality(01)	Partially correct cardinality (0.5)	Wrong/Irrelevant answer(0)			
	Modality	Correct Modality (01)	Partially correct modality (0.5)	Wrong/Irrelevant answer(0)			
2(v)	Definition of system bus	Correct Definition (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			

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Q# (Part #)	Criteria	Level 1 (Marks)	Level 2 (Marks)	Level 3 (Marks)	Level 4 (Marks)	Level 5 (Marks)	Level 6 (Marks)
	Purpose of control bus	Correct Purpose (02)	Partially Correct Purpose(01)	Wrong/Irrelevant answer(0)			
OR	Definition of GPS	Correct Definition (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Applications of GPS: Application 1	Any 1 st Correct Application(01)	Partially Correct (0.5)	Wrong/Irrelevant answer(0)			
	Application 2	Any 2 nd Correct Application(01)	Partially Correct (0.5)	Wrong/Irrelevant answer(0)			
2(vi)	Faster memory DIMM or SIMM:	Identification of faster memory (01)	Wrong/Irrelevant answer(0)				
	Reason 1	Any 1 st Correct Reason(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Reason 2	Any 2 nd Correct Reason(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
OR	Mainframe computer different from microcomputer: Reason 1	Any 1 st Correct Reason (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Reason 2	Any 2 nd Correct Reason (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Reason 3	Any 3 rd Correct Reason (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
2(vii)	Identification of Plug n play port	Correct Identification (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Reason/explanation	Correct Reason (02)	Partially correct Reason(01)	Wrong/Irrelevant answer(0)			
OR	Relational DB Model definition	Correct definition (02)	Partially correct definition (01)	Wrong/Irrelevant answer(0)			
	Example	Correct example (01)	Wrong/Irrelevant answer(0)				
2(viii)	Comparison of Synchronous and asynchronous transmissions: Comparison 1	Any 1 st Correct Comparison(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Comparison 2	Any 2 nd correct Comparison(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Comparison 3	Any 3 rd Correct Comparison(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
OR	Definition of VPN	Correct Definition (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Characteristics of VPN: Characteristic 1	Any 1 st Correct Characteristic(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Characteristic 2	Any 2 nd Correct Characteristic(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
2(ix)	Comparison of Star and ring topology: Comparison based on architecture	Any Correct Comparison based on architecture (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Comparison based on reliability	Any correct Comparison based on reliability (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Comparison based on expansion	Any Correct Comparison based on expansion (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			

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Q# (Part #)	Criteria	Level 1 (Marks)	Level 2 (Marks)	Level 3 (Marks)	Level 4 (Marks)	Level 5 (Marks)	Level 6 (Marks)
OR	Differentiation b/w Circuit and packet switching	Correct differentiation(02)	Partially correct differentiation (01)	Wrong/Irrelevant answer(0)			
	Example of Circuit switching	Correct example(0.5)	Wrong/ Irrelevant answer(0)				
	Example of packet switching	Correct example(0.5)	Wrong/ Irrelevant answer(0)				
2(x)	Limitations of mobile communication system: Limitation 1	Any 1 st Correct Limitation(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Limitation 2	Any 2 nd Correct Limitation(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Limitation 3	Any 3 rd Correct Limitation(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
OR	Definition of Data transfer instruction	Correct definition (02)	Partially correct definition (01)	Wrong/Irrelevant answer(0)			
	Example	Correct example (01)	Wrong/Irrelevant answer(0)				
2(xi)	Tasks of DDL: Task 1	Any 1 st Correct Task (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Task 2	Any 2 nd Correct Task (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Task 3	Any 3 rd Correct Task (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
OR	Identification of Disk controller (h/w or s/w)	Correct Identification(01)	Wrong/Irrelevant answer(0)				
	Reason: How is it helpful in performance	Correct reason (02)	Partially correct reason(01)	Wrong/Irrelevant answer(0)			
2(xii)	Purposes of 3 steps of instruction cycle: Step 1 purpose	1 st step Correct purpose (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Step 2 purpose	2 nd step Correct purpose (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Step 3 purpose	3 rd Correct purpose (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
OR	Differentiation b/w Entity and Attribute	Correct differentiation(02)	Partially correct differentiation(01)	Wrong/Irrelevant answer(0)			
	Example of Entity	Correct example(0.5)	Wrong/ Irrelevant answer(0)				
	Example of Attribute	Correct example(0.5)	Wrong/ Irrelevant answer(0)				
2(xiii)	Identification of Primary key	Correct identification(01)	Wrong/ Irrelevant answer(0)				
	Suitable data types for any four Fields	Any four Correct data types (02)	Any three Correct data types (1.5)	Any two Correct datatypes (01)	Any one Correct datatype(0.5)	Wrong/Irrelevant answer(0)	
OR	Definition of Memory word	Correct Definition (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Explanation of word size effect	Correct Explanation (02)	Partially correct Explanation(01)	Wrong/Irrelevant answer(0)			
2(xiv)	Foreign key definition	Correct definition (02)	Partially correct definition (01)	Wrong/Irrelevant answer(0)			
	Example	Correct example (01)	Wrong/Irrelevant answer(0)				

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Q# (Part #)	Criteria	Level 1 (Marks)	Level 2 (Marks)	Level 3 (Marks)	Level 4 (Marks)	Level 5 (Marks)	Level 6 (Marks)
OR	Comparisons of RAM and Cache: Comparison 1	Any 1 st Correct Comparison(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Comparison 2	Any 2 nd correct Comparison(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Comparison 3	Any 3 rd Correct Comparison(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
3	Explanation of system software:	Correct Explanation (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Explanation of 1 st type of system software	Correct explanation (1.5)	Partially correct explanation(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)		
	Example	Correct example (0.5)	Wrong/Irrelevant answer(0)				
	Explanation of 2 nd type of system software	Correct explanation (1.5)	Partially correct explanation(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)		
	Example	Correct example (0.5)	Wrong/Irrelevant answer(0)				
OR	Explanation of wireless communication	Correct Explanation (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Use of 1 st type of short distance wireless communication	Correct explanation (02)	Partially correct explanation(01)	Wrong/Irrelevant answer(0)			
	Use of 2 nd type of short distance wireless communication	Correct explanation (02)	Partially correct explanation(01)	Wrong/Irrelevant answer(0)			
4	Explanation of magnetic disk	Correct Explanation (02)	Partially correct explanation(01)	Wrong/Irrelevant answer(0)			
	Working of magnetic disk	Correct explanation (02)	Partially correct explanation(01)	Wrong/Irrelevant answer(0)			
	Advantage of magnetic disk	Correct Advantage (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
OR	Purpose of OSI model	Correct Purpose (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Function of Session layer	Correct function (02)	Partially correct function(01)	Wrong/Irrelevant answer(0)			
	Function of Physical layer	Correct function (02)	Partially correct function(01)	Wrong/Irrelevant answer(0)			
5	Definition of Instruction Format	Correct definition (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Differentiation b/w one-address and two-address instructions	Correct differentiation(02)	Partially correct differentiation (01)	Wrong/Irrelevant answer(0)			
	Example of one-address	Correct example(01)	Wrong/ Irrelevant answer(0)				
	Example of two-address	Correct example(01)	Wrong/ Irrelevant answer(0)				
OR	Explanation of Scanning devices	Correct Explanation (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Purpose of first scanning device	Correct Purpose (01)	Partially correct Purpose (0.5)	Wrong/Irrelevant answer(0)			

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Q# (Part #)	Criteria	Level 1 (Marks)	Level 2 (Marks)	Level 3 (Marks)	Level 4 (Marks)	Level 5 (Marks)	Level 6 (Marks)
	Application of first scanning device	Correct Application (01)	Wrong/Irrelevant answer(0)				
	Purpose of second scanning device	Correct Purpose (01)	Partially correct Purpose (0.5)	Wrong/Irrelevant answer(0)			
	Application of second scanning device	Correct Application (01)	Wrong/Irrelevant answer(0)				
6	Differentiation b/w File management system and database management systems: Difference 1	Any 1 st Correct Difference(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Difference 2	Any 2 nd Correct Difference(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Difference 3	Any 3 rd Correct Difference(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Difference 4	Any 4 th Correct Difference(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Difference 5	Any 5 th Correct Difference(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
OR	Explanation of expansion card	Correct Explanation (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Importance of Sound card for working of computer system	Correct Explanation (02)	Partially correct Explanation (01)	Wrong/Irrelevant answer(0)			
	Importance of modem card for working of computer system	Correct Explanation (02)	Partially correct Explanation (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.

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Q# (Part #)	Criteria	Level 1 (Marks)	Level 2 (Marks)	Level 3 (Marks)	Level 4 (Marks)	Level 5 (Marks)	Level 6 (Marks)
2(i)	Differentiation b/w open source and licensed software	Correct differentiation(02)	Partially correct differentiation (01)	Wrong/Irrelevant answer(0)			
	Example of opensource software	Correct example(0.5)	Wrong/ Irrelevant answer(0)				
	Example of licensed software	Correct example(0.5)	Wrong/ Irrelevant answer(0)				
OR	Definition of Bluetooth	Correct Definition (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Applications of Bluetooth: Application 1	Any 1 st Correct Application(01)	Partially correct (0.5)	Wrong/Irrelevant answer(0)			
	Application 2	Any 2 nd Correct Application(01)	Partially correct (0.5)	Wrong/Irrelevant answer(0)			
2(ii)	Faster memory SRAM or DRAM:	Identification of faster memory (01)	Wrong/Irrelevant answer(0)				
	Reason 1	Any 1 st Correct Reason(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Reason 2	Any 2 nd Correct Reason(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
OR	Definition of MAN	Correct Definition (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Characteristics of MAN: Characteristic 1	Any 1 st Correct Characteristic(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Characteristic 2	Any 2 nd Correct Characteristic(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
2(iii)	Comparisons b/w volatile and non-volatile memories: Comparison 1	Any 1 st Correct Comparison(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Comparison 2	Any 2 nd Correct Comparison (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Example of volatile memory	Correct example (0.5)	Wrong/Irrelevant answer(0)				
	Example of non-volatile memory	Correct example (0.5)	Wrong/Irrelevant answer(0)				
OR	Reasons to use Cache memory: Reason 1	Any 1 st Correct reason (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Reason 2	Any 2 nd Correct reason (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Reason 3	Any 3 rd Correct reason (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
2(iv)	Number of operands of zero-address	Correct number of operands (0.5)	Wrong/Irrelevant answer(0)				
	Example of zero-address	Correct example (0.5)	Wrong/Irrelevant answer(0)				
	Number of operands of one-address	Correct number of operands (0.5)	Wrong/Irrelevant answer(0)				
	Example of one-address	Correct example (0.5)	Wrong/Irrelevant answer(0)				
	Number of operands of two-address	Correct number of operands (0.5)	Wrong/Irrelevant answer(0)				

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Q# (Part #)	Criteria	Level 1 (Marks)	Level 2 (Marks)	Level 3 (Marks)	Level 4 (Marks)	Level 5 (Marks)	Level 6 (Marks)
	Example of two-address	Correct example (0.5)	Wrong/Irrelevant answer(0)				
OR	ER Diagram symbols	Correct symbols(01)	Partially correct symbols(0.5)	Wrong/Irrelevant answer(0)			
	Cardinality	Correct cardinality(01)	Partially correct cardinality (0.5)	Wrong/Irrelevant answer(0)			
	Modality	Correct Modality (01)	Partially correct modality (0.5)	Wrong/Irrelevant answer(0)			
2(v)	Definition of system bus	Correct Definition (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Purpose of data bus	Correct Purpose (02)	Partially Correct Purpose(01)	Wrong/Irrelevant answer(0)			
OR	Uses/ Reasons of Forms: Use/ reason 1	Any 1 st Correct Use/ Reason (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Use/ reason 2	Any 2 nd Correct Use/ Reason (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Use/ reason 3	Any 3 rd Correct Use/ Reason (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
2(vi)	Purpose of expansion slot	Correct purpose (02)	Any relevant statement(01)	Wrong/Irrelevant answer(0)			
	Name of most efficient slot	Correct name (01)	Wrong/Irrelevant answer(0)				
OR	Supercomputer different from microcomputer: Reason 1	Any 1 st Correct Reason (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Reason 2	Any 2 nd Correct Reason (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Reason 3	Any 3 rd Correct Reason (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
2(vii)	Name of expansion card to connect to internet	Correct Name (01)	Wrong/Irrelevant answer(0)				
	Reasons of using card: Reason 1	1 st Correct Reason (01)	1 st Partially correct Reason(0.5)	Wrong/Irrelevant answer(0)			
	Reason 2	2 nd Correct Reason (01)	2 nd Partially correct Reason(0.5)	Wrong/Irrelevant answer(0)			
OR	Definition of query	Correct Definition(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	List four Names of queries:	Four Correct Names (02)	Three Correct Names (1.5)	Two Correct Names (01)	one Correct Name (0.5)	Wrong/Irrelevant answer(0)	
2(viii)	Comparison between half-duplex and full-duplex communication modes: Comparison 1	Any 1 st Correct Comparison(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Comparison 2	Any 2 nd correct Comparison(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Comparison 3	Any 3 rd Correct Comparison(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
OR	Factors that affect processing speed: Comparison 1	Any 1 st correct Comparison(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Comparison 2	Any 2 nd correct Comparison(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Comparison 3	Any 3 rd correct Comparison(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			

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Q# (Part #)	Criteria	Level 1 (Marks)	Level 2 (Marks)	Level 3 (Marks)	Level 4 (Marks)	Level 5 (Marks)	Level 6 (Marks)
2(ix)	Comparison between Mesh and bus topology: Comparison based on architecture	Any Correct Comparison based on architecture (01)	Any relevant statement (0.5)	Wrong/Irrelevant answer(0)			
	Comparison based on reliability	Any correct Comparison based on reliability (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Comparison based on expansion	Any Correct Comparison based on expansion (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
OR	Roles of DBA: Role 1	Any 1 st Role (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Role 2	Any 2 nd Role (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Role 3	Any 3 rd Role (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
2(x)	Definition of WML	Correct Definition (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Features of WML: Feature 1	Any 1 st Correct Feature (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Feature 2	Any 2 nd Correct Feature (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
OR	LCD better than CRT monitor: Reason 1	Any 1 st Correct Reason (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Reason 2	Any 2 nd Correct Reason (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Reason 3	Any 3 rd Correct Reason (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
2(xi)	Tasks of DML: Task 1	Any 1 st Correct Task (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Task 2	Any 2 nd Correct Task (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Task 3	Any 3 rd Correct Task (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
OR	Differences b/w client server and peer-to-peer network architecture: Difference 1	Any 1 st Correct Difference(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Difference 2	Any 2 nd Correct Difference(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Difference 3	Any 3 rd Correct Difference(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
2(xii)	Explanation of control unit	Correct Explanation (1.5)	Any relevant statement(01)	Wrong/Irrelevant answer(0)			
	Names of three components of control unit	Names of three correct Components (1.5)	Names of two correct Components (01)	Name of one correct Component (0.5)	Wrong/Irrelevant answer(0)		
OR	Compassion b/w Field and Record	Correct compassion (02)	Partially correct compassion (01)	Wrong/Irrelevant answer(0)			
	Example of Field	Correct example(0.5)	Wrong/ Irrelevant answer(0)				
	Example of Record	Correct example(0.5)	Wrong/ Irrelevant answer(0)				
2(xiii)	Identification of Primary key	Correct identification(01)	Wrong/ Irrelevant answer(0)				
	Suitable data types for	Any four Correct data types	Any three Correct data types	Any two Correct data types	Any one	Wrong/Irrele	

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Q# (Part #)	Criteria	Level 1 (Marks)	Level 2 (Marks)	Level 3 (Marks)	Level 4 (Marks)	Level 5 (Marks)	Level 6 (Marks)
	any four Fields	(02)	(1.5)	(01)	Correct data type(0.5)	nt answer(0)	
OR	Definition of Program Control instruction	Correct definition (02)	Partially correct definition (01)	Wrong/Irrelevant answer(0)			
	Example	Correct example (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
2(xiv)	Definition of Report	Correct Definition(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	List Names of report layouts: Name 1	1 st Correct Name(01)	Wrong/Irrelevant answer(0)				
	Name 2	2 nd Correct Name(01)	Wrong/Irrelevant answer(0)				
OR	Identification of BIOS (h/w or s/w)	Correct Identification(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Reason: How is it helpful in performance	Correct reason (02)	Partially correct reason(01)	Wrong/Irrelevant answer(0)			
3	Explanation of application software:	Correct Explanation (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Explanation of 1 st type	Correct explanation (1.5)	Partially correct explanation(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)		
	Example	Correct example (0.5)	Wrong/Irrelevant answer(0)				
	Explanation of 2 nd type	Correct explanation (1.5)	Partially correct explanation(01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)		
	Example	Correct example (0.5)	Wrong/Irrelevant answer(0)				
OR	Wireless communication popularity Reasons: Reason 1	1 st Correct Reason (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Reason 2	2 nd Correct Reason (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Reason 3	3 rd Correct Reason (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Reason 4	4 th Correct Reason (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Reason 5	5 th Correct Reason (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
4	Explanation of optical disk	Correct Explanation (02)	Partially correct explanation(01)	Wrong/Irrelevant answer(0)			
	Working of optical disk	Correct explanation (02)	Partially correct explanation(01)	Wrong/Irrelevant answer(0)			
	Advantage of optical disk	Correct Advantage (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
OR	Purpose of OSI model	Correct Purpose (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Function of Transport layer	Correct function (02)	Partially correct function(01)	Wrong/Irrelevant answer(0)			
	Function of Application layer	Correct function (02)	Partially correct function(01)	Wrong/Irrelevant answer(0)			
5	Explanation of Register	Correct Explanation (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Differentiation b/w any two examples of registers	Correct differentiation with correct terms (04)	Partially correct differentiation with correct terms (03)	Any relevant partially correct difference (02)	Any relevant statement (01)	Wrong/Irrelevant answer(0)	

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COMPUTER SCIENCE HSSC-I (Paper-B)**

Q# (Part #)	Criteria	Level 1 (Marks)	Level 2 (Marks)	Level 3 (Marks)	Level 4 (Marks)	Level 5 (Marks)	Level 6 (Marks)
OR	Explanation of Pointing input devices	Correct Explanation (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Purpose of first Pointing device	Correct Purpose (01)	Partially correct Purpose (0.5)	Wrong/Irrelevant answer(0)			
	Application of first Pointing device	Correct Application (01)	Partially correct Application (0.5)	Wrong/Irrelevant answer(0)			
	Purpose of second Pointing device	Correct Purpose (01)	Partially correct Purpose (0.5)	Wrong/Irrelevant answer(0)			
	Application of second Pointing device	Correct Application (01)	Partially correct Application (0.5)	Wrong/Irrelevant answer(0)			
6	Explanation of database model	Correct Explanation (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Hierarchical database model different from Network database model: Reason 1	Any 1 st Correct Reason (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Reason 2	Any 2 nd Correct Reason (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Reason 3	Any 3 rd Correct Reason (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Reason 4	Any 4 th Correct Reason (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
OR	Explanation of Port	Correct Explanation (01)	Any relevant statement(0.5)	Wrong/Irrelevant answer(0)			
	Importance of USB port for working of computer system	Correct Explanation (02)	Partially correct Explanation (01)	Wrong/Irrelevant answer(0)			
	Importance of HDMI port for working of computer system	Correct Explanation (02)	Partially correct Explanation (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.