

RUBRICS: HSSC 1st ANNUAL EXAMINATION 2023
SUBJECT: COMPUTER SCIENCE-I (L)

Q.# /Part #	Criteria	Level 1 (Marks)	Level 2(Marks)	Level 3 (Marks)		Level 4 (Marks)	Level 5 (Marks)
2(i)	Differences between IDE and SATA w.r.t cost, speed and structure	Any three correct differences between IDE & SATA w.r.t cost, speed and structure (3)	Any two correct differences (2)	Any one correct difference (1)		Any relevant information (0.5)	Irrelevant/ Wrong (0)
2(ii)	Function of components of hard disk i.e. R/W head, spindle and platters	Correct function of three components (3)	Correct function of any two components (2)	Correct function of any one components (1)		Any relevant information (0.5)	Irrelevant/ Wrong (0)
2(iii)	Reason for SRAM efficiency	Correct reasons for SRAM efficiency (2)	Partially correct reason for SRAM efficiency (1)	Any relevant information (0.5)		Irrelevant/ Wrong (0)	
	Type of memory developed using SRAM technology	Correct name of memory (1)	Irrelevant/ Wrong (0)				
2(iv)	Function of handheld, flatbed and barcode scanners	Correct functions of three types of scanners (3)	Correct functions of any two types of scanners (2)	Correct functions of any one type of scanners (1)		Irrelevant/ Wrong (0)	
2(v)	Identification of software in respective category	Six correct identification of software in respective category (3)	Any five correct identification of software in respective category (2.5)	Any four correct identification of software in respective category (2)	Any three correct identification of software in respective category (1.5)		
2(vi)	PC instructions	Two correct names with objective (1.5)	Two correct names/one correct name with objective (1)	One correct name/objective (0.5)		Irrelevant/ Wrong (0)	
	Data transfer instruction	Two correct names with objective (1.5)	Two correct names/one correct name with objective (1)	One correct name/objective (0.5)			

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2(vii)	Reason of system bus referred as bidirectional or unidirectional	Correct reason of system bus category (1)	Any relevant information (0.5)	Irrelevant/ Wrong (0)					
	Example of each type of bus	Correct example of each type (2)	Correct example of any one type (1)	Irrelevant/ Wrong (0)					
2 (viii)	Name and reasons of efficient and secure guided media	Correct name with two reasons regarding efficiency and security (3)	Correct name with any one reason (2)	Any relevant information (1)			Irrelevant/ Wrong (0)		
2(ix)	Differentiate between append and update query	Correct differentiation (3)	Partially correct response (2)	Any relevant information (1)			Irrelevant/ Wrong (0)		
2(x)	Applications of infrared technology in daily life	Three correct applications of infrared technology in daily life (3)	Any two correct applications (2)	Any one correct applications (1)			Any relevant information (0.5)		Irrelevant/ Wrong (0)
2(xi)	Tasks performed by DCL	Any two correct tasks DCL (3)	Any one correct task of DCL (1.5)	Irrelevant/ Wrong (0)					
2(xii)	Definition of DRAM	Correct definition/ purpose (2)	Partially correct definition/ purpose (1)	Any relevant information (0.5)			Irrelevant/ Wrong (0)		
	Reason for power consumption of DRAM	Correct reason (1)	Irrelevant/ Wrong (0)						
2(xiii)	Differentiation between text and memo field data types	Correct differentiation (3)	Partially correct differentiation (1.5)	Irrelevant/ Wrong (0)					
2(xiv)	Uses of WML	Correct uses of WML (1.5)	Partially correct uses of WML (1)	Irrelevant/ Wrong (0)					
	Uses of WAP	Correct uses of WAP (1.5)	Partially correct uses of WAP (1)	Irrelevant/ Wrong (0)					
2(xv)	Description of partial dependency with example	Correct description of partial dependency with example (3)	Partially correct description with example (2)	Any relevant information (1)			Irrelevant/ Wrong (0)		
2(xvi)	Filing of table w.r.t IP addressing and subnet masks	Correct filling of six correct cells (3)	Any five correct cells (2.5)	Any four correct cells (2)	Any three correct cells (1.5)	Any two correct cells (1)	Any one correct cell (0.5)	Irrelevant/ Wrong (0)	

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3 (a)	Description of ports	Correct description of ports (1)	Partially correct (0.5)	Irrelevant/Wrong (0)			
	Types of ports	Correct explanation of any five ports (5)	Correct explanation of any four ports (4)	Correct explanation of any three ports (3)	Correct explanation of any two ports (2)	Correct explanation of any one port (1)	Irrelevant/ Wrong (0)
3 (b)	Network topology	Correct explanation of network topology (2)	Partially correct explanation of network topology (1)	Any relevant information (0.5)		Irrelevant/ Wrong (0)	
	Discussing types of topologies with features and limitations	Four correct types of topologies with feature and limitation (4)	Any three correct types (3)	Any two correct types (2)	Any one correct type (1)	Irrelevant/ Wrong (0)	
4 (a)	Types of internet applications	Correct explanation of first type of internet application (2)	Partially Correct explanation (1)	Any relevant information (0.5)		Wrong (0)	
		Correct explanation of second type of internet application (2)	Partially Correct explanation (1)	Any relevant information (0.5)		Wrong (0)	
		Correct explanation of third type of internet application (2)	Partially Correct explanation (1)	Any relevant information (0.5)		Wrong (0)	
4 (b)	Description of instruction	Correct description of instruction (2)	Partially correct description of instruction (1)	Any relevant information (0.5)		Irrelevant/ Wrong (0)	
	Description of types of CPU instructions	Correct description of four types of CPU instructions (4)	Correct description of three types (3)	Correct description of two types (2)		Correct description of one type (1)	Irrelevant/ Wrong (0)
5 (a)	Drawing of ER diagram (three entities)	Correct drawing of three entities with attributes (3)	Correct drawing of two entities with attributes (2)	Correct drawing of one entity with attributes (1)		Any relevant information (0.5)	Irrelevant/ Wrong (0)
	Identifying cardinalities and relationship	Correct identification of cardinalities and relationships (3)	Partially correct identification of cardinalities and relationships (2)	Correct identification of cardinalities OR relationships (1)		Any relevant information (0.5)	Irrelevant/ Wrong (0)

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5 (b)	Explanation of three types of keys in database	Correct description of three keys (3)	Correct description of any two keys (2)	Correct description of any one key (1)	Any relevant information (0.5)	Irrelevant/ Wrong (0)
	Example of keys	Correct examples of three keys (3)	Correct examples of any two keys (2)	Correct example of any one key (1)	Wrong (0)	

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