

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

Q.# /Part #	Criteria	Level 1 (Marks)	Level 2(Marks)	Level 3 (Marks)	Level 4 (Marks)	Level 5 (Marks)
2(i)	Function of PC	Correct explanation of two functions of PC (1.5)	Correct explanation of one function of PC (1)	Partially correct (0.5)	Wrong (0)	
	Function of IR	Correct explanation of two functions of IR (1.5)	Correct explanation of one function of IR (1)	Partially correct (0.5)	Wrong (0)	
2(ii)	Comparison of Intel P4 and AMD Athlon processors	Correct comparison w.r.t. clock speed and Cache (3)	Correct comparison w.r.t. clock speed OR Cache (2)	Partially correct (1)	Wrong (0)	
2(iii)	Features of BLUE - RAY	Correct three features (3)	Correct two features (2)	Correct one feature (1)	Wrong (0)	
2(iv)	Difference b/w Volatile and Non-volatile memory	Correct three differences (3)	Correct two differences (2)	Correct one difference (1)	Wrong (0)	
2(v)	Professional applications of Main Frame	Any three Correct Applications (1.5)	Any two correct Applications (1)	Any one correct Application (0.5)	Wrong (0)	
	Professional applications of Super Computer	Any three Correct Applications (1.5)	Any two correct Applications (1)	Any one correct Application (0.5)	Wrong (0)	
2(vi)	Key features of display screen which enhances the quality of display	Correct description of any three features (3)	Correct description of any two features (2)	Correct description of any one feature (1)	Wrong (0)	
2(vii)	Difference b/w Wi-Fi and Bluetooth	Any three correct differences (3)	Any two correct differences (2)	Any one correct difference (1)	Wrong (0)	
2 (viii)	Geostationary Earth Orbit	Correct distance and purpose/function (1)	Correct distance OR purpose/function (0.5)	Wrong (0)		
	Medium Earth Orbit	Correct distance and purpose/function (1)	Correct distance OR purpose/function (0.5)	Wrong (0)		
	Low Earth Orbit	Correct distance and purpose/function (1)	Correct distance OR purpose/function (0.5)	Wrong (0)		
2 (ix)	Comparison b/w synchronous and Asynchronous	Correct comparison w.r.t. efficiency, cost and transmission (3)	Correct comparison w.r.t. any two of the given aspects (2)	Correct comparison w.r.t. any one of the given aspects (1)	Wrong (0)	
2(x)	Completion of table w.r.t Network Layer	Correct insertion of protocols, device used and term used for data (1.5)	Any two correct completions (1)	Any one correct completion (0.5)	Wrong (0)	
	Completion of table w.r.t Physical Layer	Correct insertion of protocols, device used and term used for data (1.5)	Any two correct completions (1)	Any one correct completion (0.5)	Wrong (0)	

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2(xi)	Comparison between DDR and SDRAM	Correct comparisons with reference to speed , structure and cost (3)	Correct comparison w.r.t. any two of the given aspects (2)	Correct comparison w.r.t. any one of the given aspects (1)	Wrong (0)	
2(xii)	Explanation of BIOS	Correct explanation (1)	Partially correct explanation (0.5)	Wrong (0)		
	Important functions of BIOS	Two correct functions (2)	Any one correct function (1)	Wrong (0)		
2(xiii)	Most popular topology	Name of topology (1)	Wrong (0)			
	Supporting reasons	Four correct reasons (2)	Any three correct reasons (1.5)	Any two correct reasons (1)	Any one correct reason (0.5)	Wrong (0)
2(xiv)	ERD of Student and Course	Correct ERD (1)	Partially correct (0.5)	Wrong (0)		
	ERD of Country and Capital City	Correct ERD (1)	Partially correct (0.5)	Wrong (0)		
	ERD of Department and Manager	Correct ERD (1)	Partially correct (0.5)	Wrong (0)		
2 (xv)	TEXT Data Type	Correct Use and Size (1)	Correct Use OR Size (0.5)	Wrong (0)		
	MEMO Data Type	Correct Use and Size (1)	Correct Use OR Size (0.5)	Wrong (0)		
	AUTO NUMBER Data Type	Correct Use and Size (1)	Correct Use OR Size (0.5)	Wrong (0)		
2(xvi)	Difference between Select query with 'Group by' & 'Order by' clause	Correct difference (2)	Any relevant information (1)	Wrong (0)		
	Example of 'Group by' & 'Order by' clause	Correct example (1)	Partially correct(0.5)	Wrong (0)		
3 (a)	Definition of cardinality and modality	Correct definition of both (2)	Correct definition of any one (1)	Any relevant information (0.5)	Wrong (0)	
	Explanation of diagram with	Correct four labeling (2)	Correct any three labeling (1.5)	Correct any two labeling (1)	Correct any one labeling (1)	Any relevant information (0.5)

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	cardinality and modality										
3 (b)	Categories of printers	Correct description of two categories (2)		Correct description of any one category (1)	Any relevant information (0.5)	Wrong (0)					
	Type 3 of printers	Correct description of first type of printer (2)	Partially correct description (1)	Any relevant information (0.5)	Irrelevant/ Wrong (0)						
		Correct description of second type of printer (2)	Partially correct description (1)	Any relevant information (0.5)	Irrelevant/ Wrong (0)						
		Correct description of third type of printer (2)	Partially correct description (1)	Any relevant information (0.5)	Irrelevant/ Wrong (0)						
4 (a)	Answer the questions w.r.t given table	Correct box numbers of eight questions (8)	Correct box numbers of any seven questions (7)	Correct box numbers of any six questions (6)	Correct box numbers of any five questions (5)	Correct box numbers of any four questions (4)	Correct box numbers of any three questions (3)	Correct box numbers of any two questions (2)	Correct box numbers of any one question (1)	Irrelevant/ Wrong (0)	
4 (b)	Description of USB	Correct description of port (1)		Partially correct description (0.5)		Irrelevant/ Wrong (0)					
	Description of Firewire	Correct description of port (1)		Partially correct description (0.5)		Irrelevant/ Wrong (0)					
	Description of HDMI	Correct description of port (1)		Partially correct description (0.5)		Irrelevant/ Wrong (0)					
	Description of Serial port	Correct description of port (1)		Partially correct description (0.5)		Irrelevant/ Wrong (0)					
5 (a)	Advantages of DBMS	Description of any eight correct advantages of DBMS (8)		Description of any seven correct advantages (7)	Description of any six correct advantages (6)	Description of any five correct advantages (5)	Description of any four correct advantages (4)	Description of any three correct advantages (3)	Description of any two correct advantages (2)	Description of any one correct advantage (1)	Irrelevant/ wrong (0)

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5 (b)	Complete the table w.r.t Class B	Correct completion of five/four boxes (2)	Correct completion of any three boxes (1.5)	Correct completion of any two boxes (1)	Correct completion of any one box (0.5)	Irrelevant/ Wrong (0)
	Complete the table w.r.t Class C	Correct completion of five/four boxes (2)	Correct completion of any three boxes (1.5)	Correct completion of any two boxes (1)	Correct completion of any one box (0.5)	Irrelevant/ Wrong (0)

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