

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

Q.# / Part #	Criteria	Level 1 (Marks)	Level 2(Marks)		Level 3 (Marks)		Level 4 (Marks)	Level 5 (Marks)
2(i)	Reasons for requirements of OS for file management	Any three valid reasons for requirement of OS for File management (3)	Any two valid reasons (2)		Any one valid reason (1)		Irrelevant/wrong(0)	
2(ii)	Purpose of any three state of a process	Correct purpose of any three states of a process (3)	Correct purpose of any two states of a process (2)		Correct purpose of anyone states of a process (1)		Irrelevant/wrong(0)	
2(iii)	Comparisons between multiprogramming and multiprocessing OS	Any three correct comparisons between Multiprogramming and Multiprocessing OS (3)	Any two correct comparisons (2)		Any one correct comparisons (1)		Irrelevant/wrong(0)	
2(iv)	Reasons of importance of feasibility in SDLC	Any three correct reasons of feasibility in SDLC (3)	Any two correct reasons (2)		Any one correct reason (1)		Irrelevant/wrong(0)	
2(v)	Correction of Compile time errors	Correction of any six compile time errors (3)	Correction of any five errors (2.5)	Correction of any four errors (2)	Correction of any three errors (1.5)	Correction of any two errors (1)	Correction of any one error (0.5)	Irrelevant/wrong (0)
2(vi)	Result of expressions	Three correct results of expression (3)	Two correct results (2)		One correct result (1)		Irrelevant/wrong (0)	
2 (vii)	C++ program to display the area of a triangle	Correct program code with: i. Input statement & variable declaration ii. Expression iii. output statement (3)	Any two correct aspects (2)		Any one correct aspect (1)		Any relevant information (0.5)	Irrelevant/wrong(0)
2 (viii)	a. Output of the program	Correct output (1.5)	Partially correct output (1)		Irrelevant/wrong (0)			
	b. Conversion of program using if-else	Correction conversion using if-else (1.5)	Partially correction conversion using if-else (1)		Irrelevant/wrong (0)			

Q.# / Part #	Criteria	Level 1 (Marks)	Level 2(Marks)	Level 3 (Marks)	Level 4 (Marks)	Level 5 (Marks)	
2 (ix)	Differences between break statement and exit() function	Any three correct differences between break and exit() (3)	Any two correct differences (2)	Any one correct difference (1)	Any relevant information (0.5)	Irrelevant/wrong(0)	
2(x)	Output of program segment	Three correct outputs (3)	Two correct outputs (2)	One correct output (1)	Irrelevant/wrong (0)		
2(xi)	Purpose of strcmp()	Correct purpose of strcmp() (2)	Partially correct purpose of strcmp() (1)	Any relevant information (0.5)	Irrelevant/wrong(0)		
	Example	Correct example of strcmp() (1)	Irrelevant/wrong (0)				
2(xii)	Usage of default argument	Correct purpose/ usage of default argument (2)	Partially correct purpose/ usage (1)	Any relevant information (0.5)	Irrelevant/wrong (0)		
	Example	Correct example (1)	Irrelevant/wrong (0)				
2(xiii)	Definition of Inline function	Correct definition of inline function (1)	Any relevant information (0.5)	Irrelevant/wrong (0)			
	Advantages	Any two correct advantages (2)	Any one correct advantage (1)	Irrelevant/wrong (0)			
2(xiv)	Differentiation between reference and dereference operator	Correct differentiation (2)	Partially correct differentiation (1)	Irrelevant/wrong (0)			
	Example	Correct examples of both operators (1)	Correct example of any one operator (0.5)	Wrong example (0)			
2 (xv)	Definition of Polymorphism	Correct definition (2)	Partially correct definition (1)	Irrelevant/wrong (0)			
	Example from daily life	Correct example (1)	Irrelevant/wrong (0)				
2(xvi)	Characteristics of text file in C++	Any three correct characteristics of text file (3)	Any two correct characteristics (2)	Any one correct characteristic (1)	Irrelevant/wrong (0)		
3 (a)	Writing a program to input number, display table until entered number is negative	Correct program code with: i. Structure ii. Variable declaration iii. Input statement iv. Use of outer loop v. User of inner loop vi. Output statement for table (6)	Any five correct aspects (5)	Any four correct aspects (4)	Any three correct aspects (3)	Any two correct aspects (2)	Any one correct aspect (1)

Q.# / Part #	Criteria	Level 1 (Marks)	Level 2(Marks)			Level 3 (Marks)		Level 4 (Marks)		Level 5 (Marks)	
3 (b)	Program declaring class, its member functions, and output	Correct program code with: i. Declaration of class, ii. Member variables iii. gets-data() iv. display-average() v. Creating object vi. Using member function	Any five correct aspects (5)			Any four correct aspects (4)		Any three correct aspects (3)		Any two correct aspects (2)	Any one correct aspect (1)
4 (a)	Purpose of the C++ statements	All eight correct purposes of C++ statements (8)	All seven correct purposes (7)	Any six correct purposes (6)	Any five correct purposes (5)	Any four correct purposes (4)		Any three correct purposes (3)	Any two correct purposes (2)	Any one correct purpose (1)	Irrelevant/wrong (0)
4 (b)	Writing program to input sentence and display number of words and number of letters	Correct program code with: i. Variable declaration & Input statement ii. Use of loop iii. Use of control structure iv. Output statements (4)	Any three correct aspects (3)		Any two correct aspects (2)		Any one correct aspect (1)		Any relevant information (0.5)		Irrelevant/wrong (0)
5 (a)	i. Responsibilities of software tester	Any correct four responsibilities of software tester (4)	Any correct three responsibilities of software tester (3)			Any correct two responsibilities of software tester (2)		Any correct one responsibility of software tester (1)		Irrelevant/wrong (0)	
	ii. Responsibilities of programmer	Any correct four responsibilities of programmer (4)	Any correct three responsibilities of programmer (3)			Any correct two responsibilities of programmer (2)		Any correct one responsibility of programmer (1)		Irrelevant/wrong (0)	
5 (b)	Program to input number, and print pattern by passing parameter as reference to function	Correct program code with: i. Input statement ii. Function prototype iii. Function definition iv. Function calling by reference (4)	Any three correct aspects (3)			Any two correct aspects (2)		Any one correct aspect (1)		Any relevant information (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.