

B.C.A (1st Semester)

030010109: CC1 Fundamentals of Programming

Assessment Policy

Assessment Code	Assessment Type	Duration of each	Occurrence	Each of marks	Weightage in CIE of 40 marks
A1	Quiz	1 hr.	1	20	04X01=04
A2	Unit Test	1.5 hrs.	2	30	06X02=12
A3	Open Book	1 hr.	1	20	04X01=04
A4	Internal Examination	3 hrs.	1	60	15X01=15
A5	Assignment	-	1	10	05X01=05

Assessment Code	Assessment Type	Duration of each	Occurrence	Each of marks	Weightage in CIE of 75 marks
A6	Unit Test (Practical)	2 hrs.	2	20	06X02=12
A7	Section Test (Practical)	3 hrs.	1	30	18X01=18
A8	Semester End Examination (Practical)	3 hrs.	1	30	30X01=30
A9	Journal/Viva	-	22	15	15X01=15

Assessment Type Classification:

Assessment Code :	A1	Weightage of Content :	Unit	(%)
			1	70
			2	30
Assessment Type :	Quiz 1	Tentative Date :	During 3 rd week	
Kind of Question Format:	Q.1 Do as Directed. (5 out of 5) [02X05=10] Q.2 (A) Find out error if any otherwise write the output. (5 out of 5) [01X05=05] Q.2 (B) Write algorithm on given problem and draw a flowchart. (01 out of 01) [05X01=05] Total [20 marks]			
To measure :	Knowledge			
Course Outcome :	CO1: Describe the basic concepts of programming. CO2: Solve problems through program development life cycle.			
Programme Outcome:	PO1: Ability to understand the concepts of key areas in computer science. PO2: Ability to design and develop system, component or process as well as test and maintain it so as to provide promising solutions to industry and society. PO5: Recognition of the need for life-long learning.			

Assessment Code :	A2	Weightage of Content :	Unit	(%)
			1	30
			2	70
Assessment Type :	Unit Test 1	Tentative Date :	During 5 th Week	
Kind of Question Format:	Q.1 [A] Short answer questions. (4 out of 4) [01x04=04] [B] Short answer questions. (3 out of 4) [02x03=06] Q.2 Long answer questions: [A] Practical based question. [01x05=05] OR [A] Practical based question. [01x05=05] [B] Practical based question. [01x05=05] OR [B] Practical based question. [01x05=05] Q.3 Answer the following in detail. (2 out of 3) [02x05=10] Total [30 marks]			
To measure :	Knowledge, Practical, Comprehension and Analysis			
Course Outcome :	CO1: Describe the basic concepts of programming. CO2: Solve problems through program development life cycle. CO3: Design and develop programs using conditional			

	statements.
Programme Outcome:	PO1: Ability to understand the concepts of key areas in computer science. PO2: Ability to design and develop system, component or process as well as test and maintain it so as to provide promising solutions to industry and society. PO5: Recognition of the need for life-long learning.

Assessment Code :	A2	Weightage of Content :	Unit	(%)
			1, 2, 3	30
			4	40
			5	30
Assessment Type :	Unit Test 2	Tentative Date :	During 11 th week	
Kind of Question Format:	Q.1 [A] Short answer questions. (4 out of 4) [01x04=04] [B] Short answer questions. (3 out of 4) [02x03=06] Q.2 Long answer questions: [A] Practical based question. [01x05=05] OR [A] Practical based question. [01x05=05] [B] Practical based question. [01x05=05] OR [B] Practical based question. [01x05=05] Q.3 Answer the following in detail. (2 out of 3) [02x05=10] Total [30 marks]			
To measure :	Knowledge, Practical, Comprehension and Analysis			
Course Outcome :	CO1: Describe the basic concepts of programming. CO2: Solve problems through program development life cycle. CO3: Design and develop programs using conditional and loop control statements. CO4: Get knowledge about array and able to use for problem solving. CO5: Design and develop programs using methods.			
Programme Outcome:	PO1: Ability to understand the concepts of key areas in computer science. PO2: Ability to design and develop system, component or process as well as test and maintain it so as to provide promising solutions to industry and society. PO5: Recognition of the need for life-long learning.			

Assessment Code :	A3	Weightage of Content :	Unit	(%)
			1	10
			2	20
			3	70
Assessment Type :	Open Book	Tentative Date :	During 8 th week	
Kind of Question Format:	Q.1. Find out error if any otherwise write the output (5 out of 5) [02X05=10] Q.2. Do as directed. (5 out of 5) [02X05=10] Total[20 Marks]			
To measure :	Knowledge, Practical, Comprehension and Analysis			
Course Outcome :	CO1: Describe the basic concepts of programming. CO2: Solve problems through program development life cycle. CO3: Design and develop programs using conditional and loop control statements.			
Programme Outcome:	PO1: Ability to understand the concepts of key areas in computer science. PO2: Ability to design and develop system, component or process as well as test and maintain it so as to provide promising solutions to industry and society. PO5: Recognition of the need for life-long learning.			

Assessment Code :	A4	Weightage of Content :	Unit 1-6
Assessment Type :	Internal	Tentative Date :	During 14 th week
Kind of Question Format:	Section-1 (from unit 1 to 3) Q.1 [A] Short answer questions. (4 out of 4) [01x04=04] [B] Short answer questions. (3 out of 4) [02x03=06] Q.2 Long answer questions: [A] Practical based question. [01x05=05] OR [A] Practical based question. [01x05=05] [B] Practical based question. [01x05=05] OR [B] Practical based question. [01x05=05] Q.3 Answer the following in detail. (2 out of 3) [02x05=10] Section-2 (from unit 4 to 6) Q.4 [A] Short answer questions. (4 out of 4) [01x04=04] [B] Short answer questions. (3 out of 4) [02x03=06] Q.5 Long answer questions: [A] Practical based question. [01x05=05] OR [A] Practical based question. [01x05=05] [B] Practical based question. [01x05=05] OR [B] Practical based question. [01x05=05]		

	Q.6 Answer the following in detail. (2 out of 3) [02x05=10] Total [60 marks]
To measure :	Knowledge, Practical, Comprehension and Analysis
Course Outcome :	CO1: Describe the basic concepts of programming. CO2: Solve problems through program development life cycle. CO3: Design and develop programs using conditional and loop control statements. CO4: Get knowledge about array and able to use for problem solving. CO5: Design and develop programs using methods. CO6: Perform file operations like read, write and append. CO7: Design and develop derived data type and use in problem solving.
Programme Outcome:	PO1: Ability to understand the concepts of key areas in computer science. PO2: Ability to design and develop system, component or process as well as test and maintain it so as to provide promising solutions to industry and society. PO5: Recognition of the need for life-long learning.

Assessment Code :	A5	Coverage of Content :	Unit 1-6
Assessment Type :	Assignment	Tentative Date :	-
Kind of Question Format:	Long Questions.		
To measure :	Knowledge, Application, Comprehension, Evaluation and Analysis		
Rules :	<ul style="list-style-type: none"> • A teacher will provide at least 2 questions for assignment from each unit at the beginning of the unit. • Submission of assignment shall be done after completion of unit 2, 4, 6 respectively. 		
Course Outcome :	CO1: Describe the basic concepts of programming. CO2: Solve problems through program development life cycle. CO3: Design and develop programs using conditional and loop control statements. CO4: Get knowledge about array and able to use for problem solving. CO5: Design and develop programs using methods. CO6: Perform file operations like read, write and append. CO7: Design and develop derived data type and use in problem solving.		

Programme Outcome:	<p>PO1: Ability to understand the concepts of key areas in computer science.</p> <p>PO2: Ability to design and develop system, component or process as well as test and maintain it so as to provide promising solutions to industry and society.</p> <p>PO5: Recognition of the need for life-long learning.</p>
---------------------------	---

Assessment Code :	A6	Weightage of Content :	Unit	(%)
			1	30
			2	70
Assessment Type :	Unit Test 1 (Practical)	Minimum number of practical to be certified as eligibility to appear: 6	Tentative Date : 4 th week	
Kind of Question Format:	<p>Q.1 Draw a flowchart and write algorithm for given practical problem in Q-2. [6 marks]</p> <p>Q.2 Analysis based practical problem. (2 out of 2)[each of 7 marks] [14 marks]</p> <p style="text-align: right;">Total [20 marks]</p>			
To measure :	Logical, analytical and programming skill through basics of C programming.			
Course Outcome :	<p>CO1: Describe the basic concepts of programming.</p> <p>CO2: Solve problems through program development life cycle.</p>			
Programme Outcome:	<p>PO1: Ability to understand the concepts of key areas in computer science.</p> <p>PO2: Ability to design and develop system, component or process as well as test and maintain it so as to provide promising solutions to industry and society.</p> <p>PO5: Recognition of the need for life-long learning.</p>			

Assessment Code :	A6	Weightage of Content :	Unit	(%)
			1,2	20
			3	50
			4	30
Assessment Type :	Unit Test 2 (Practical)	Minimum number of practical to be certified as eligibility to appear: 13	Tentative Date : 7 th week	
Kind of Question Format:	<p>Q.1 Draw a flowchart and write algorithm for given practical problem in Q-2. [6 marks]</p> <p>Q.2 Analysis based practical problem. (2 out of 2)[each of 7 marks] [14 marks]</p> <p style="text-align: right;">Total [20 marks]</p>			

To measure :	Logical, analytical and programming skill through basics of C programming.
Course Outcome :	CO1: Describe the basic concepts of programming. CO2: Solve problems through program development life cycle. CO3: Design and develop programs using conditional and loop control statements. CO4: Get knowledge about array and able to use for problem solving.
Programme Outcome:	PO1: Ability to understand the concepts of key areas in computer science. PO2: Ability to design and develop system, component or process as well as test and maintain it so as to provide promising solutions to industry and society. PO5: Recognition of the need for life-long learning.

Assessment Code :	A7	Weightage of Content :	Unit	(%)
			1,2,3	20
			4	30
			5	50
Assessment Type :	Section Test(Practical)	Minimum number of practical to be certified as eligibility to appear: 18	Tentative Date : 10th week	
Kind of Question Format:	Q.1 Draw a flowchart or write an algorithm for given practical problem in Q-2 [5 marks] Q.2 Analysis based Practical problem. [10 marks] Q.3 Analysis based Practical problem. [10 marks] Q.4 Viva. [5 marks] Total [30 marks]			
To measure :	Logical, analytical and programming skill through basics of C programming.			
Course Outcome :	CO1: Describe the basic concepts of programming. CO2: Solve problems through program development life cycle. CO3: Design and develop programs using conditional and loop control statements. CO4: Get knowledge about array and able to use for problem solving. CO5: Design and develop programs using methods.			
Programme Outcome:	PO1: Ability to understand the concepts of key areas in computer science. PO2: Ability to design and develop system, component or process as well as test and maintain it so as to provide promising solutions to industry and society.			

	PO5: Recognition of the need for life-long learning.
--	--

Assessment Code :	A8	Weightage of Content :	Unit 1-6
Assessment Type :	Semester End(Practical)	Minimum number of practical to be certified as eligibility to appear: 22	Tentative Date : 14 th week
Kind of Question Format:	Q.1 Draw a flowchart or write an algorithm for given practical problem in Q-2 [5 marks] Q.2 Analysis based Practical problem. [10 marks] Q.3 Analysis based Practical problem. [10 marks] Q.4 Viva. [5 marks] Total [30 marks]		
To measure :	Logical, analytical and programming skill through basics of C programming.		
Course Outcome :	CO1: Describe the basic concepts of programming. CO2: Solve problems through program development life cycle. CO3: Design and develop programs using conditional and loop control statements. CO4: Get knowledge about array and able to use for problem solving. CO5: Design and develop programs using methods. CO6: Perform file operations like read, write and append. CO7: Design and develop derived data type and use in problem solving.		
Programme Outcome:	PO1: Ability to understand the concepts of key areas in computer science. PO2: Ability to design and develop system, component or process as well as test and maintain it so as to provide promising solutions to industry and society. PO5: Recognition of the need for life-long learning.		