

**BCA/ 5 Years Integrated M.C.A. (4<sup>th</sup> Semester)**

030010410/ 060060408: CC11 Open Source Web Based Programming

**Assessment Policy**

Assessment Code	Assessment Type	Duration of each	Occurrence	Each of marks	Weightage in CIE of 40 marks	Remarks
A1	Quiz	1 Hour	1	20	05X01=05	Quiz 1: After completion of Unit 1, 2.1, 2.2, 2.3
A2	Unit Test	1.5 Hours	2	30	06X02=12	Unit Test 1: After completion of Unit 1,2 and 4 Unit Test 2: After completion of Unit 3 and 5
A3	Internal	3 Hours	1	60	16X01=16	Before completion of the term
A4	Web Application Development	During Semester	1	25	07X01=07	During Semester
<b>Practical Internal Evaluation</b>						
A5	Unit Test	1 Hour and 50 minutes	2	20	06X02=12	Unit Test 1: After completion of Unit 1, 2 and 4 Unit Test 2: After completion of Unit 3 and 5
A6	Section Test	3 Hours	1	30	18X01=18	During 15 <sup>th</sup> week
A7	Semester End Examination	3 Hours	1	30	30X01=30	After completion of the term
A8	Journal/Viva	-	-	-	15X01=15	Before completion of the term

**Assessment Type Classification:**

Assessment Code :	A1	Weightage of Content :	Unit	(%)
			1	70%
			2	30%
Assessment Type :	Quiz(Online)	Tentative Date :	27/12/2018	
Kind of Question Format:	Multiple Choice Questions Answers. (Attempt 20 out of 20) [1X 20=20] 20% questions shall be remembering type nature where as 80% shall be of understanding type to test knowledge an analytical skill.			
Assessment :	Formative			
To measure :	Knowledge and analytical skill			
Outcome :	CO1: Determine the basic concepts of programming with open source technology. CO2: Validate data and manage state of web pages.			

<b>Programme Outcome:</b>	PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development.			
<b>Assessment Code :</b>	A2	<b>Weightage of Content :</b>	<b>Unit</b>	<b>(%)</b>
			1	20%
			2	30%
			4	50%
<b>Assessment Type :</b>	Unit Test - 1	<b>Tentative Date :</b>	16/01/2019	
<b>Kind of Question Format:</b>	Q-1 (A) Do as directed. (Attempt 4)		[01 x 04 = 04]	
	(B) Answer in brief. (Attempt any 3 out of 4)		[02 x 03 = 06]	
	Q-2 Answer the following questions.			
	(A) Analysis based question.		[01 x 05 = 05]	
		OR		
(A) Analysis based question.		[01 x 05 = 05]		
(B) Analysis based question.		[01 x 05 = 05]		
		OR		
(B) Analysis based question.		[01 x 05 = 05]		
	Q-3 Answer the following in detail. (Attempt any 2 out of 3)		[02 x 05 = 10]	
<b>Assessment :</b>	Formative			
<b>To measure :</b>	Knowledge and analytical skill			
<b>Outcome :</b>	CO1: Determine the basic concepts of programming with open source technology. CO2: Validate data and manage state of web pages. CO3: Create and use user-defined functions for data and file management.			
<b>Programme Outcomes:</b>	PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them. PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues. PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development.			

<b>Assessment Code :</b>	A2	<b>Weightage of Content :</b>	<b>Unit</b>	<b>(%)</b>
			1,2 & 4	10% of each
			3	30%
			5	40%
<b>Assessment Type :</b>	Unit Test - 2	<b>Tentative Date :</b>	19/02/2019	
<b>Kind of Question</b>	Q-1 (A) Do as directed. (Attempt 4)		[01 x 04 = 04]	

<b>Format:</b>	(B) Answer in brief. (Attempt any 3 out of 4) [02 x 03 = 06]
	Q-2 Answer the following questions.
	(A) Analysis based question. [01 x 05 = 05]
	OR
	(A) Analysis based question. [01 x 05 = 05]
	(B) Analysis based question. [01 x 05 = 05]
	OR
	(B) Analysis based question. [01 x 05 = 05]
	Q-3 Answer the following in detail. (Attempt any 2 out of 3) [02 x 05 = 10]
<b>Assessment :</b>	Formative
<b>To measure :</b>	Knowledge and analytical skill
<b>Outcome :</b>	CO1: Determine the basic concepts of programming with open source technology. CO2: Validate data and manage state of web pages. CO3: Create and use user-defined functions for data and file management. CO4: Implement object oriented concepts for web based programming.
<b>Programme Outcomes:</b>	PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them. PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues. PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development.

<b>Assessment Code :</b>	A3	<b>Weightage of Content :</b>	As per syllabus weightage
<b>Assessment Type :</b>	Internal Examination	<b>Tentative Date :</b>	19/03/2019
<b>Kind of Question Format:</b>	As per external question paper format.		
<b>Assessment :</b>	Formative		
<b>To measure :</b>	Knowledge and analytical skill		
<b>Outcome :</b>	CO1: Determine the basic concepts of programming with open source technology. CO2: Validate data and manage state of web pages. CO3: Create and use user-defined functions for data and file management. CO4: Implement object oriented concepts for web based programming. CO5: Develop an application that interacts with database and XML files.		
<b>Programme Outcomes:</b>	PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them. PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues. PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development.		

Assessment Code :	A4	Weightage of Content :	As per syllabus		
Assessment Type :	Web Application Development	Tentative Submission Date :	As per the following		
Kind of Question Format:	<p>The activity shall perform in a team. Each team shall develop and present web application.</p> <p>Guidelines:</p> <ul style="list-style-type: none"> <li>The team shall consist of three or four members.</li> <li>A team has to identify their web application title and take approval of title from course teacher before the submission.</li> <li>Deadlines for submissions related to web application as per the following</li> </ul> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Submission of project title, team members and features of mini web application [ <b>Deadline: On or before 3-1-2019</b> ]</td> </tr> <tr> <td>Submission , Presentation and Demonstration of web application [ <b>Deadline: On or before 15-3-2018</b> ]</td> </tr> </table> <ul style="list-style-type: none"> <li>Late submission shall be penalized as 5% of full marks per day for maximum 3 days after submission date of particular parameter. If student fails to meet deadlines, he/she will receive zero marks for particular parameter.</li> <li>Evaluation will be based on following criteria :             <ol style="list-style-type: none"> <li>In time submission of project title, team members and features of web application (05 Marks)</li> <li>Demonstration (10 marks)</li> <li>Presentation Skill (05 Marks)</li> <li>Viva (05 Marks)</li> </ol> </li> </ul>			Submission of project title, team members and features of mini web application [ <b>Deadline: On or before 3-1-2019</b> ]	Submission , Presentation and Demonstration of web application [ <b>Deadline: On or before 15-3-2018</b> ]
Submission of project title, team members and features of mini web application [ <b>Deadline: On or before 3-1-2019</b> ]					
Submission , Presentation and Demonstration of web application [ <b>Deadline: On or before 15-3-2018</b> ]					
Assessment :	Formative				
To measure :	Knowledge and analytical skill.				
Outcome :	CO1: Determine the basic concepts of programming with open source technology. CO2: Validate data and manage state of web pages. CO3: Create and use user-defined functions for data and file management. CO4: Implement object oriented concepts for web based programming. CO5: Develop an application that interacts with database and XML files.				
Programme Outcomes:	PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them. PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. PO4: Recognition of the need for and ability towards life-long learning. PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues. PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development. PO7: Ability to communicate and present knowledge effectively.				

Assessment Code :	A5-Practical	Weightage of Content :	Unit	(%)
			1	20%
			2	30%
			4	50%

<b>Assessment Type :</b>	Unit Test 1	<b>Minimum number of practical to be certified as eligibility to appear: 5</b>	17/01/2019
<b>Kind of Question Format:</b>	Q-1 Proposed solution based question Q-2 Practical based question. Q-3 Viva		[01 x 03 = 03] [01 X 14 = 14] [01 x 03 = 03]
<b>Assessment :</b>	Formative		
<b>To measure :</b>	Knowledge and analytical skill		
<b>Outcome :</b>	CO1: Determine the basic concepts of programming with open source technology. CO2: Validate data and manage state of web pages. CO3: Create and use user-defined functions for data and file management.		
<b>Programme Outcomes:</b>	PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them. PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues. PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development. PO7: Ability to communicate and present knowledge effectively.		

<b>Assessment Code :</b>	A5-Practical	<b>Weightage of Content :</b>	<b>Unit</b>	<b>(%)</b>
			1,2 & 3	10% of each
			3	40%
			5	30%

<b>Assessment Type :</b>	Unit Test 2	<b>Minimum number of practical to be certified as eligibility to appear: 10</b>	19/02/2019
<b>Kind of Question Format:</b>	Q-1 Proposed solution based question Q-2 Practical based question. Q-3 Viva		[01 x 03 = 03] [01 X 14 = 14] [01 x 03 = 03]
<b>Assessment :</b>	Formative		
<b>To measure :</b>	Knowledge and analytical skill.		
<b>Outcome :</b>	CO1: Determine the basic concepts of programming with open source technology. CO2: Validate data and manage state of web pages. CO3: Create and use user-defined functions for data and file management. CO4: Implement object oriented concepts for web based programming.		
<b>Programme Outcomes:</b>	PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them. PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues. PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development. PO7: Ability to communicate and present knowledge effectively.		

<b>Assessment Code :</b>	A6-Practical	<b>Weightage of Content :</b>	As per syllabus weightage
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<b>Assessment Type :</b>	Section Test	<b>Minimum number of practical to be certified as eligibility to appear: 13</b>	7/03/2019
<b>Kind of Question Format:</b>	Q-1 Proposed solution based question Q-2 Practical based question. Q-3 Viva		[01 x 05 = 05] [01 X 20 = 20] [01 x 05 = 05]
<b>Assessment :</b>	Formative		
<b>To measure :</b>	Knowledge and analytical skill.		
<b>Outcome :</b>	CO1: Determine the basic concepts of programming with open source technology. CO2: Validate data and manage state of web pages. CO3: Create and use user-defined functions for data and file management. CO4: Implement object oriented concepts for web based programming. CO5: Develop an application that interacts with database and XML files.		
<b>Programme Outcomes:</b>	PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them. PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues. PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development. PO7: Ability to communicate and present knowledge effectively.		

<b>Assessment Code :</b>	A7-Practical	<b>Weightage of Content :</b>	As per syllabus weightage
<b>Assessment Type :</b>	Semester End Examination	<b>Minimum number of practical to be certified as eligibility to appear: 16</b>	26/03/2019
<b>Kind of Question Format:</b>	Q-1 Proposed solution based question Q-2 Practical based question. Q-3 Viva		[01 x 05 = 05] [01 X 20 = 20] [01 x 05 = 05]
<b>Assessment :</b>	Formative		
<b>To measure :</b>	Knowledge and analytical skill.		
<b>Outcome :</b>	CO1: Determine the basic concepts of programming with open source technology. CO2: Validate data and manage state of web pages. CO3: Create and use user-defined functions for data and file management. CO4: Implement object oriented concepts for web based programming. CO5: Develop an application that interacts with database and XML files.		
<b>Programme Outcomes:</b>	PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them. PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues. PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development. PO7: Ability to communicate and present knowledge effectively.		

**UFM policy**

- If two or more submitted practical assignments are too similar for coincidence, a penalty shall be imposed that shall usually be the same for the student who did the original as for the one copying from it.

Any ascertained fact of breaking institute policy shall be associated with one or all of the following:

- i. Zero marks for the work.
- ii. Report to the Program Coordinator.
- iii. Report to the Director.