

**BHARATHIAR UNIVERSITY : COIMBATORE 641046**

**B.C.A. (CBCSPATTERN)**

(For the students admitted from the academic year 2023-2024)

**Scheme of Examination**

Part	Title of the Course	Hours /Week	Examination				Credits
			Duration In Hours	Maximum Marks			
				CIA	CEE	Total	
<b>Semester I</b>							
I	Language-I	4	3	25	75	100	4
II	English-I	4	3	25	75	100	4
III	Core1: Computing Fundamentals and C Programming	5	3	25	75	100	4
III	Core2: Digital Fundamentals and Computer Architecture	5	3	25	75	100	4
III	Core Lab1: Programming Lab-C	5	3	40	60	100	4
III	Allied1: Mathematical Structures for Computer Science	5	3	25	75	100	4
IV	Environmental Studies*	2	3	-	50	50	2
<b>Total</b>		<b>30</b>		<b>165</b>	<b>485</b>	<b>650</b>	<b>26</b>
<b>Semester II</b>							
I	Language-II	4	3	25	75	100	4
II	English-II	4	3	25	25	50	2
III	Core3: C++ Programming	5	3	25	75	100	4
III	Core Lab2: Programming Lab - C++	5	3	20	30	50	2
III	CoreLab3: Internet Basics	3	3	20	30	50	2
III	Allied2: Discrete Mathematics	5	3	25	75	100	4
IV	Value Education – Human Rights*	2	3	-	50	50	2
	Naan Muthalvan – Skill Course Effective English <a href="http://kb.naanmudhalvan.in/images/c/c7/Cambri_dge_Course_Details.pdf">http://kb.naanmudhalvan.in/images/c/c7/Cambri_dge_Course_Details.pdf</a>	2		25	25	50	2
<b>Total</b>		<b>30</b>		<b>165</b>	<b>385</b>	<b>550</b>	<b>22</b>
<b>Semester III</b>							
I	Language-III	4	3	25	75	100	4
II	English-III	4	3	25	75	100	4
III	Core 4: Data Structures	4	3	25	75	100	4
III	Core 5: Java Programming	4	3	25	75	100	4
III	Core Lab 4: Programming Lab - Java	3	3	20	30	50	2
III	Allied 3: Computer Based Optimization Techniques	5	3	25	25	50	2
III	Skillbased Subject 1: Web Programming	4	3	30	45	75	3
IV	Tamil**/ AdvancedTamil*(OR)Non-majorelective-I (Yoga for Human Excellence) */ Women's Rights*	2	3	-	50	50	2
<b>Total</b>		<b>30</b>		<b>175</b>	<b>450</b>	<b>625</b>	<b>25</b>
<b>Semester IV</b>							
I	Language – IV	4	3	25	75	100	4
II	English – IV	4	3	25	25	50	2
III	Core 6: System Software and Operating System	4	3	25	75	100	4
III	Core 7: Linux and Shell Programming	4	3	25	75	100	3
III	Core Lab 5: Linux and Shell Programming Lab	3	3	20	30	50	2
III	Allied 4 : Business Accounting	4	3	25	25	50	2
III	Skillbased Subject 2 Lab: Web Programming– Lab	3	3	25	25	50	2
IV	Tamil**/Advanced Tamil* (OR) Non-major elective-II(GeneralAwareness*)	2	3	-	50	50	2
	Naan Muthalvan – Skill Course	2	-	25	25	50	2

	Office Fundamentals - Lab <a href="http://kb.naanmudhalvan.in/Bharathiar_University_(BU)">http://kb.naanmudhalvan.in/Bharathiar_University_(BU)</a>						
	<b>Total</b>	<b>30</b>		<b>195</b>	<b>405</b>	<b>600</b>	<b>23</b>
	<b>Semester V</b>						
III	Core 8: RDBMS & Oracle	6	3	25	75	100	4
III	Core 9: VisualBasic	6	3	25	75	100	4
III	Core Lab 6: Programming Lab –VB&Oracle	6	3	30	45	75	4
III	Elective–I: Introduction to Compiler Design/PHP & Scripting Language/ PYTHON Programming	6	3	25	75	100	4
III	Skill based Subject 3: CASE Tools Concepts and Applications	6	3	30	45	75	3
	<b>Total</b>	<b>30</b>		<b>135</b>	<b>315</b>	<b>450</b>	<b>19</b>
	<b>Semester VI</b>						
III	Core 10: Graphics & Multimedia	5	3	25	75	100	4
III	Core 11: Project Work Lab %%	5	-	25	75	100	4
III	Core 7: Programming Lab – Graphics & Multimedia	5	3	30	45	75	3
III	Elective–II: Computer Networks/Dot Net programming/ Distributed Computing	5	3	25	75	100	4
III	Elective–III: Internet of Things (IoT)/ Web Services/Software Testing	5	3	25	75	100	4
III	SkillBased Subject 4: CASE Tools Lab	3	3	25	25	50	2
V	Extension Activities**		-	50	-	50	2
	Naan Muthalvan – Skill Course Cyber Security@ <a href="http://kb.naanmudhalvan.in/images/7/71/Cybersecurity.pdf">http://kb.naanmudhalvan.in/images/7/71/Cybersecurity.pdf</a> (or)Machine Learning# <a href="http://kb.naanmudhalvan.in/images/1/19/PBL_Google.pdf">http://kb.naanmudhalvan.in/images/1/19/PBL_Google.pdf</a> (or)Android APP Development\$ <a href="http://kb.naanmudhalvan.in/images/0/08/AndroidApp_Dev.pdf">http://kb.naanmudhalvan.in/images/0/08/AndroidApp_Dev.pdf</a>	2	2	25	25	50	2
	<b>Total</b>	<b>30</b>		<b>235</b>	<b>390</b>	<b>625</b>	<b>25</b>
	<b>GrandTotal</b>			<b>1065</b>	<b>2435</b>	<b>3500</b>	<b>140</b>

\*No Continuous Internal Assessment (CIA). Only University Examinations.

\*\*NoUniversityExaminations. Only Continuous Internal Assessment (CIA).

➤ #Govt – Non-Autonomous Colleges, \$ Aided – Non-Autonomous Colleges, @ Self - Financing Colleges(Non –Autonomous) (For theory: CIA – 12, CEE – 38; For Practical: CIA – 20, CEE – 30)