

# BCA DEPARTMENT WINTER BREAKS ASSIGNMENT DOCUMENT

(Submission Date: 1<sup>st</sup> Feb, 2018)

**BCA 2<sup>nd</sup> Semester**

Subject Code	Subject Name	Topic of Assignment	Type of Assignment (Handwritten, Soft Copy Type)	Remarks
BCA0201	Mathematics	Successive Derivative, General Theorems and Ring.	HW	
BCA0202	Communicative English	Presentation on Effective Communication Skills (Minimum 30 Slides)	PowerPoint Presentation	Slide should have least written material.
BCA0203	Digital Electronics	Q1: Explain energy bands in solids. Q2: Show NAND and NOR gate As universal	HW	

		<p>gate.</p> <p>Q3: What is BJT. Explain its construction and working.</p> <p>Q4: Explain Demorgan's law and demorganize the following Boolean expression:</p> $\overline{A} B + \overline{B} A + AB \overline{C}$		
<b>BCA0204</b>	Data Structure	<p>Question: Write an algorithm and draw the Flowchart for the following operations on Linear Array and also write the C Program for each operation.</p> <ol style="list-style-type: none"> <li>1. Traversing an Array</li> <li>2. Insertion in an Array</li> <li>3. Deletion in an Array</li> <li>4. Linear search</li> <li>5. Binary Search</li> </ol>	HW	

		6.Bubble sorting		
<b>BCA0205</b>	DBMS	<p>Q1.Define the Architecture of DBMS. Explain the advantages and disadvantages of DBMS.</p> <p>Q2.Define Models? Explain the different types of Models?</p> <p>Q3. Explain File Organization? Explain types of file techniques?</p>	HW	

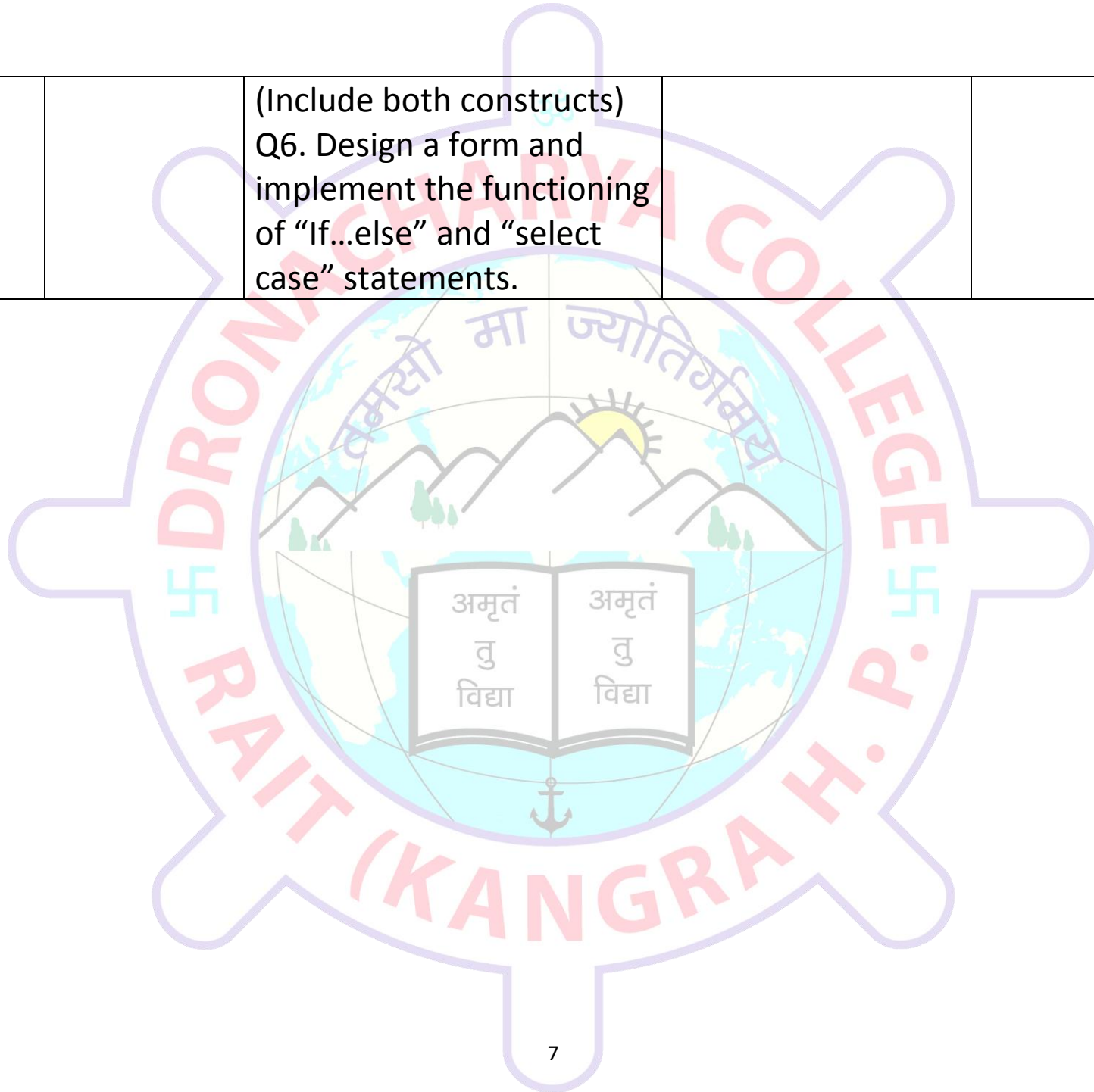
**BCA 4<sup>th</sup> Semester**

<b>Subject Code</b>	<b>Subject Name</b>	<b>Topic of Assignment</b>	<b>Type of Assignment (Handwritten, Soft Copy Type)</b>	<b>Remarks</b>
<b>BCA0401</b>	Personnel Management	Q1. Define PM and also give its importance. Also discuss the factors that have hindered the growth of PM in India. Q2. Define Human Resource planning?. Why is it necessary? Discuss the various steps involved in it. Q3. Discuss the meaning, objective and importance of HRM. Q4. Discuss the following	HW	

		<p>in detail:</p> <ol style="list-style-type: none"> <li>1.Job Description</li> <li>2.Job Specification</li> <li>3.Job Design</li> <li>4.Job Rotation</li> <li>5.Job Enrichment</li> <li>6.Job Enlargement</li> </ol>		
<b>BCA0402</b>	Accounting	Revision of First unit in detail	HW	
<b>BCA0403</b>	System Analysis & Design	PPT on SDLC,SRS, Feasibility Study, cost and benefit analysis	SC, HW	
<b>BCA0404</b>	IT & WPD	<p>Q1: Explain evolution of internet.</p> <p>Q2: What tag is used for creating hyperlink? Explain with proper HTML program.</p> <p>Q3: How to insert image in web page. Explain all the attributes of image tag</p>	SC	

		<p>with proper syntax and example.</p> <p>Q4: Explain image maps in detail.</p>	
<b>BCA0405</b>	<p>Programmi ng using VB.NET</p>	<p>Q1. What is .NET Framework? How it is associated with visual Studio.</p> <p>Q2. Explain the process of compilation and execution in .NET Framework.</p> <p>Q3. What is Tab Order and discuss the properties which are common for most of the controls.</p> <p>Q4. Write a detailed note on various data type used in VB.NET. (Syntax also).</p> <p>Q5. Write a detailed note on various constructs used in vb.net programming.</p>	<p>HW</p>

		(Include both constructs) Q6. Design a form and implement the functioning of “If...else” and “select case” statements.	
--	--	---	--



**BCA 6<sup>th</sup> Semester**

<b>Subject Code</b>	<b>Subject Name</b>	<b>Topic of Assignment</b>	<b>Type of Assignment (Handwritten, Soft Copy Type)</b>	<b>Remarks</b>
<b>BCA0601</b>	Computer networks	Exercise based on Unit-1 & Unit-2 (All Questions)	HW	It is the Syllabus for the Mid Term Exams.
<b>BCA0602</b>	Numerical Methods	Exercise based on Unit-I & Unit-II	HW	
<b>BCA0603</b>	Multimedia Technology	Q1.Explain Multimedia. Discuss the development platform for multimedia. Q2.Write the difference	HW	



		<p>between:</p> <ul style="list-style-type: none"> <li>a) Mono &amp; Stereo sound</li> <li>b) Analog &amp; Digital sound</li> <li>c) Plain Text &amp; Formatted Text</li> <li>d) RTF &amp; HTML Text.</li> </ul>		
<b>BCA0604</b>	Computer Graphics	<ul style="list-style-type: none"> <li>1. Programs on Different shapes(Arrow, Double Arrow, Table, Multiple shape, flower, first alphabet of any name, line, circle)</li> <li>2. PPT on unit 1Sy</li> </ul>	SC,HC	
<b>BCA0605</b>	Software Engineering	<p>Q1: Explain use case diagrams with proper example.</p> <p>Q2: Start writing the project file(abstract, acknowledgment, objectives, introduction)</p>	HW	

**NOTE: For further Clarification regarding Assignment/Report Topics and its submission contact to your subject teacher.**

