



## Course Structure BCA

### VEER KUNWAR SINGH UNIVERSITY, ARA BACHELOR OF COMPUTER APPLICATION (BCA) DETAIL COURSE STRUCTURE & SYLLABUS

#### SEMESTER – I

**Group A :** (Theory Group) Theory papers to be examined by university through examination conducted at the end of semester.

SL No.	Semester & Paper code	Name of Subject	Full Marks	Pass Marks
01	1BCA1	Fundamentals of Computer	100	40
02	1BCA2	PC Packages (Windows 98/XP, Word, Excel)	100	40
03	1BCA3	Programming Logic & Design Techniques	100	40
04	1BCA4	Programming in C	100	40
05	1BCA5	Communicative English	100	40
Aggregate Marks			500	225

**Group B :** (Practical & Continuous Evaluation) Sessional work papers to be evaluated internally, however during computer Lab. test atleast two external university examiners must be present. Evaluated answer sheet and marks foil shall be forwarded to the university, Controller of Examination.

SI No.	Semester & Paper Code	Name of Subject	Full Marks	Pass Marks
01	1BCA 6	Internal Assessment & Term Work	100	45
02	1BCA 7	Computer Lab -I	100	45
03	1BCA 8	Professional Personality Skill	50	23
Aggregate Marks			250	113

(a) Group A (Theory Papers) Full Marks : 500 Pass Marks : 225

(b) Group B (Sessional Works) Full Marks : 250 Pass Marks : 113

**Aggregate Marks of I<sup>st</sup> Semester : 750 Pass Marks : 338**

## SEMESTER — II

**Group A : (THEORY GROUP)** Theory papers to be examined by university through examination conducted at the end of semester.

SL No.	Semester & Paper code	Name of Subject	Full Marks	Pass Marks
01	2BCA1	Digital Computer Organisation	100	40
02	2BCA2	Advanced Programming in C	100	40
03	2BCA3	Fundamental Data structure	100	40
04	2BCA4	Application Programming in Foxpro	100	40
05	2BCA5	Financial Accounting	100	40
Aggregate Marks			500	225

**Group B : (Practical & Continuous Evaluation)** Sessional work papers to be evaluated internally, however during computer lab test atleast two external university examiners must be present. Evaluated answer sheet and marks foil shall be forwarded

SI No.	Semester & Paper Code	Name of Subject	Full Marks	Pass Marks
01	2BCA 6	Internal Assessment & Term Work	100	45
02	2BCA 7	Computer Lab -II	100	45
03	2BCA 8	Summer Assignments	100	45
04.	2BCA 9	Professional Personality Skill	50	23
Aggregate Marks			350	158

(a) Group A (Theory Papers) Full Marks : 500 Pass Marks : 225

(b) Group B (Sessional Works) Full Marks : 350 Pass Marks : 158

**Aggregate Marks of II<sup>nd</sup>. Semester : 850 Pass Marks : 383**

### SEMESTER — III

**Group A : (THEORY GROUP)** Theory papers to be examined by university through examination conducted at the end of semester.

SL No.	Semester & Paper code	Name of Subject	Full Marks	Pass Marks
01	3BCA1	Information Technology trend	100	40
02	3BCA2	GUI Programming in Visual Basic	100	40
03	3BCA3	Database management system	100	40
04	3BCA4	Computer Networking & LAN	100	40
05	3BCA5	Management Skills	100	40
Aggregate Marks			500	225

**Group B : (Practical & Continuous Evaluation)** Sessional work papers to be evaluated internally, however during computer lab test atleast two external university examiners must be present. Evaluated answer sheet and marks foil shall be forwarded to the university, Controller of Examination.

SI No.	Semester & Paper Code	Name of Subject	Full Marks	Pass Marks
01	3BCA 6	Internal Assessment & Term Work	100	45
02	3BCA 7	Computer Lab -III	100	45
03	3BCA 8	Professional Personality Skill	50	23
Aggregate Marks			250	113

(a) Group A (Theory Papers) Full Marks : 500 Pass Marks : 225

(b) Group B (Sessional Works) Full Marks : 250 Pass Marks : 113

**Aggregate Marks of III<sup>rd</sup> Semester : 750 Pass Marks : 338**

### SEMESTER — IV

**Group A : (Theory Group)** Theory papers to be examined by university through examination conducted at the end of semester.

SL No.	Semester & Paper code	Name of Subject	Full Marks	Pass Marks
01	4BCA1	Operating Systems	100	40
02	4BCA2	OOPS Programming in C <sup>++</sup>	100	40
03	4BCA3	Internet & E-Commerce	100	40
04	4BCA4	Linux Operating systems	100	40
05	4BCA5	System Analysis & Data Processing	100	40
Aggregate Marks			500	225

**Group B : (Practical & Continuous Evaluation)** Sessional work papers to be evaluated internally, however during computer lab test atleast two external university examiners must be present. Evaluated answer sheet and marks foil shall be forwarded to the university, Controller of Examination.

SI No.	Semester & Paper Code	Name of Subject	Full Marks	Pass Marks
01	4BCA 6	Internal Assessment & Term Work	100	45
02	4BCA 7	Computer Lab -IV	100	45
03	4BCA 8	Summer Assignments	100	45
04.	4BCA 9	Professional Personality Skills	50	23
Aggregate Marks			350	158

(a) Group A (Theory Papers) Full Marks : 500 Pass Marks : 225

(b) Group B (Sessional Works) Full Marks : 350 Pass Marks : 158

**Aggregate Marks of IV<sup>th</sup> Semester : 850 Pass Marks : 383**

## SEMESTER — V

**Group A :** Theory papers to be examined by university through examination conducted at the end of semester.

SL No.	Semester & Paper code	Name of Subject	Full Marks	Pass Marks
01	5BCA1	Component Architecture and Programming (COM, DCOM)	100	40
02	5BCA2	Multimedia Tools & Applications	100	40
03	5BCA3	Programming in JAVA	100	40
04	5BCA4	Oracle RDBMS	100	40
05	5BCA5	Computer Centre Management	100	40
Aggregate Marks			500	225

**Group B :** Sessional work papers to be evaluated internally, however during computer lab test atleast two external university examiners must be present. Evaluated answer sheet and marks foil shall be forwarded to the university, Controller of Examination.

SI No.	Semester & Paper Code	Name of Subject	Full Marks	Pass Marks
01	5BCA 6	Internal Assessment & Term Work	100	45
02	5BCA 7	Computer Lab -V	100	45
03	5BCA 8	Professional Personality Skill	50	23
Aggregate Marks			250	113

(a) Group A (Theory Papers) Full Marks : 500 Pass Marks : 200

(b) Group B (Sessional Works) Full Marks : 250 Pass Marks : 113

**Aggregate Marks of V<sup>th</sup> Semester : 750 Pass Marks : 338**

## SEMESTER — VI

This semester Comprises of only Major Project and Internal assessment & Term work both are to be evaluated internally in presence of atleast two external examiners of University

SI No.	Semester & Paper Code	Name of Subject	Full Marks	Pass Marks
01	6BCA1	Major Project	500	225
02	56BCA2	Internal Assessment & Term work	100	45
Aggregate Marks			600	270

### Summary of Semester wise distribution of Marks.

SEMESTER	GROUP –A Theory Paper Examined by Univ.		GROUP-B Sessional Work Evaluated Internally		AGGREGATE	
	F.M	P.M	F.M	P.M	F.M	P.M
I <sup>st</sup> .	500	225	250	113	750	338
II <sup>nd</sup> .	500	225	350	158	850	383
III <sup>rd</sup> .	500	225	250	113	750	338
IV <sup>th</sup> .	500	225	350	158	850	383
V <sup>th</sup> .	500	255	250	113	750	338
V <sup>th</sup> .	Major Project Internal Assessment & term Work		500	225	600	270
			100	45		
<b>Grand Total</b>					<b>4550</b>	<b>2048</b>

## Course Structure BBA

<b>First Year (Part-I)</b>	<b>Duration Houses</b>	<b>Maximum Marks</b>
1. Business Communication	Three (03) Hrs.	80+20=100
2. Management Concepts	- do -	80+20=100
3. Financial Account & Audition	- do -	80+20=100
4. Managerial Economics	- do -	80+20=100
5. Office Management and Secretarial Practices	- do -	80+20=100
<b>TOTAL :</b>		<b>400+100 = 500</b>

<b>Second Year (Part-II)</b>	<b>Duration Houses</b>	<b>Maximum Marks</b>
6. Financial Management	Three (03) Hrs.	80+20=100
7. Business Law	- do -	80+20=100
8. Business Mathematic & Statistics	- do -	80+20=100
9. Business Environment	- do -	80+20=100
10. Cost & Management Accounting	- do -	80+20=100
<b>TOTAL</b>		<b>400+100 = 500</b>

<b>Third Year (Part-II)</b>	<b>Duration Houses</b>	<b>Maximum Marks</b>
11. Human Resources Mang.	Three (03) Hrs.	80+20=100
12. Taxation Law & Accounting	- do -	80+20=100
13. Marketing Management	- do -	80+20=100
14. Money and Banking	- do -	80+20=100
15. Computer Application	- do -	80+20=100
<b>TOTAL :</b>		<b>400+100 = 500</b>

## Course Structure B.Sc. (Biotechnology) (Hons.)

Sl	Particulars of Subject / Papers	Marks
<b>01.</b>	<b>DEGREE PART – I</b>	
	<p>➤ <b>Vernacular Composition</b> <b>OR</b> <b>(Alternative English / Mother Tongue + Hindi Composition (50+50))</b></p>	100
	<p>➤ <b>Two Honours Papers (100+100)</b> (Biotechnology, distribution of marks will be Theory – 75+ practical - 25 = 100 for each paper)</p>	200
	<p>➤ <b>Two subsidiary Papers (100+100)</b> (Any Two from Subject Group Botany, Zoology, Chemistry &amp; English (Theory – 75+ practical - 25 = 100 for paper of Practical))</p>	200
	<b>Total Marks of Part - I</b>	<b>500</b>
<b>02.</b>	<b>DEGREE PART – II</b>	
	<p>➤ <b>Vernacular Composition</b> <b>OR</b> <b>(Alternative English / Mother Tongue + Hindi Composition (50+50))</b></p>	100
	<p>➤ <b>Two Honours Papers (100+100)</b> (Biotechnology, distribution of marks will be Theory – 75+ practical - 25 = 100 for each paper)</p>	200
	<p>➤ <b>Two subsidiary Papers (100+100)</b> (Any Two from Subject Group Botany, Zoology, Chemistry &amp; English (Theory – 75+ practical - 25 = 100 for paper of Practical))</p>	200
	<b>Total Marks of Part - II</b>	<b>500</b>
<b>03.</b>	<b>DEGREE PART – III</b>	
	<p>➤ <b>Four Honours Papers (100+100+100+100)</b></p>	400
	<p>➤ <b>General Studies</b></p>	100
	<b>Total Marks of Part - III</b>	<b>500</b>
	<b>Aggregate Total Marks of Hons. Degree Course</b>	<b>1500</b>