

Swami Vivekanand University, Sagar (M.P.)

**As per model syllabus of U.G.C. New Delhi, drafted
by Central Board of Studies and Approved by
Higher Education and the Governor of M.P.**



Faculty of Computer Science Syllabus & Prescribed Books

Subject-Bachelor of Computer Application

**B.C.A. Semester
Examination 2016-19
I to VI Semester**

**कुलसचिव
स्वामी विवेकानंद विश्वविद्यालय, सिरोंजा, सागर (म.प्र.)**



COURSEWISE SCHEME FIRST SEMESTER

1. Course Code :	BCA	6. Project :	N
2. Course Name :	Bachelor Of Computer Application	7. Maximum marks :	600
3. Total Subject :	6	8. Minimum Passing percentage:	33%
4. Compulsory Subject :	6		
5. Practical + viva :	Y		

SUBJECT CODE	SUBJECT NAME	Theory						Practical		Total	
		Paper		CCE		Total					
		MAX	MIN	Max	Min	Max	Min	Max	Min	Max	Min
FC 101	FOUNDATION COURSE										
	Moral Values & Language - I	85	28	15	5	100	33	0	0	150	50
FC 102	Development of Entrepreneurship - I	35	12	15	5	50	17	0	0		
BCA 101	Computer Fundament	85	28	15	5	100	33	0	0	100	33
BCA 102	PC Software	85	28	15	5	100	33	0	0	100	33
BCA 103	Digital Computer Electronics	85	28	15	5	100	33	0	0	100	33
BCA 104	Communication and Management	85	28	15	5	100	33	0	0	100	33
BCA 105	DOS (Practical +Viva)	0	0	0	0	0	0	25	9	25	9
BCA 106	MS Office (Practical +Viva)	0	0	0	0	0	0	25	9	25	9

Grand Total = 600



COURSEWISE SCHEME

SECOND SEMESTER

1. Course Code :	BCA	6. Project :	N
2. Course Name :	Bachelor Of Computer Application	7. Maximum marks :	600
3. Total Subject :	6	8. Minimum Passing percentage:	33%
4. Compulsory Subject :	6		
5. Practical + viva :	Y		

SUBJECT CODE	SUBJECT NAME	Theory						Practical		Total	
		Paper		CCE		Total					
		MAX	MIN	Max	Min	Max	Min	Max	Min	Max	Min
FC 201	FOUNDATION COURSE										
	Moral Values & Language - II	85	28	15	5	100	33	0	0	150	50
FC 202	Development of Entrepreneurship - II	35	12	15	5	50	17	0	0		
BCA 201	Elementary Mathematics	85	28	15	5	100	33	0	0	100	33
BCA 202	Desk Top Publishing	85	28	15	5	100	33	0	0	100	33
BCA 203	Programming in 'C'	85	28	15	5	100	33	0	0	100	33
BCA 204	Management Accounting	85	28	15	5	100	33	0	0	100	33
BCA 205	Page Maker (Practical +Viva)	0	0	0	0	0	0	25	9	25	9
BCA 206	Programming in 'C' (Practical +Viva)	0	0	0	0	0	0	25	9	25	9

Grand Total = 600



COURSEWISE SCHEME 3RD SEMESTER

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|--------------------|---|--------------------------------|------------|
| 1. Course Code : | BCA | 4. Project : | N |
| 2. Course Name : | Bachelor Of Computer Application | 5. Maximum marks : | 600 |
| 3. Project Marks : | NA | 6. Minimum Passing percentage: | 33% |

SUBJECT CODE	SUBJECT NAME	Theory						Practical		Total	
		Paper		CCE		Total					
		MAX	MIN	Max	Min	Max	Min	Max	Min	Max	Min
BCA 301	DATA BASE MANAGEMENT SYSTEMS	85	28	15	5	100	33	0	0	100	33
BCA 302	OBJECT ORIENTED PROGRAMMING WITH C++	85	28	15	5	100	33	0	0	100	33
BCA 303	INTERNET & E-COMMERCE	85	28	15	5	100	33	0	0	100	33
BCA 304	DATA STRUCTURES	85	28	15	5	100	33	0	0	100	33
BCA305	OPERATING SYSTEMS	85	28	15	5	100	33	0	0	100	33
BCA 306	COMPUTER LAB V: C++ & OPERATING SYSTEM	0	0	0	0	0	0	50	17	50	17
BCA 307	COMPUTER LAB VI :DATA STRUCTURES & INTERNET AND E-COMMERCE	0	0	0	0	0	0	50	17	50	17

Grand Total = 600



COURSEWISE SCHEME 4TH SEMESTER

1. Course Code :	BCA	4. Project :	N
2. Course Name :	Bachelor Of Computer Application	5. Maximum marks :	600
3. Project Marks :	NA	6. Minimum Passing percentage:	33%

SUBJECT CODE	SUBJECT NAME	Theory						Practical		Total	
		Paper		CCE		Total					
		MAX	MIN	Max	Min	Max	Min	Max	Min	Max	Min
BCA 401	SYSTEM ANALYSIS AND DESIGN	85	28	15	5	100	33	0	0	100	33
BCA 402	ORACLE RDBMS	85	28	15	5	100	33	0	0	100	33
BCA 403	PROGRAMMING WITH VISUAL BASIC.NET	85	28	15	5	100	33	0	0	100	33
BCA 404	COMPUTER NETWORKS	85	28	15	5	100	33	0	0	100	33
BCA405	Elective -I (Refer Table Below)	85	28	15	5	100	33	0	0	100	33
BCA 406	COMPUTER LAB VII: LINUX	0	0	0	0	0	0	50	17	50	17
BCA 407	COMPUTER LAB VIII: ORACLE	0	0	0	0	0	0	50	17	50	17

Grand Total = 600

Elective –I

BCA-405 (A) - LINUX OS SERVER

BCA 405 (B) – BUSINESS STATISTICS

BCA 405 (C) - PRODUCTION MANAGEMENT



COURSEWISE SCHEME 5TH SEMESTER

SUBJECT CODE	SUBJECT NAME	Theory						Practical		Total	
		Paper		CCE		Total					
		MAX	MIN	Max	Min	Max	Min	Max	Min	Max	Min
BCA 501	SOFTWARE TESTING AND PROJECT MANAGEMENT	85	28	15	5	100	33	0	0	100	33
BCA 502	PROGRAMMING WITH JAVA	85	28	15	5	100	33	0	0	100	33
BCA 503	ASP.NET AND C#	85	28	15	5	100	33	0	0	100	33
BCA 504	Elective -II (Refer Table Below)	85	28	15	5	100	33	0	0	100	33
BCA 505	Elective -III (Refer Table Below)	85	28	15	5	100	33	0	0	100	33
BCA 506	COMPUTER LAB IX : JAVA Programming	0	0	0	0	0	0	50	17	50	17
BCA 507	MINOR PROJECT	0	0	0	0	0	0	50	17	50	17

Grand Total = 600

Elective –II

1. BCA 504 (A) - INFORMATION TECHNOLOGY TRENDS
2. BCA 504 (B) – NUMERICAL METHODS
3. BCA 504 (C) - ADVANCED COST AND CORPORATE ACCOUNTS

Elective –III

1. BCA 505 (A) - MATHEMATICAL STATISTICS
2. BCA 505 (B) - MANAGEMENT ACCOUNTING
3. BCA 505 (C) - ECONOMICS AND FINANCIAL MANAGEMENT



COURSEWISE SCHEME 6TH SEMESTER (6 MONTHS PROJECT WORK)

1. Course Code :	BCA	4. Project :	YES
2. Course Name :	Bachelor Of Computer Application	5. Maximum marks :	500
3. Project Marks :	300	6. Minimum Passing percentage:	50%

SUBJECT CODE	SUBJECT NAME	Theory						Practical		Total	
		Paper		CCE		Total					
		MAX	MIN	Max	Min	Max	Min	Max	Min	Max	Min
BCA 601	MAJOR PROJECT	-	-	-	-	-	-	300	150	300	150
BCA 602	INTERNAL ASSESSMENT	-	-	200	100	-	-	-	-	200	100

Grand Total = 500

GUIDELINES FOR SUBMISSION OF BCA MAJOR PROJECT

1. All the candidates of BCA are required to submit a project-report based on the work done by him/her during the **MAJOR** project period.
2. THE GUIDE
The Guide for BCA would be a person having at least MCA/B. Tech/M.Sc(CS)/M.Sc(IT) or equivalent.
3. Number of students in a project group will not be more than three for BCA.