



Maharaja Ranjit Singh College of Professional Sciences, Indore

Hemkunt Campus, Near IET-DAVV, Khandwa Road, Indore (M.P.) 452001 INDIA

(Run by Indo Friends' Foundation Trust Reg. No. 283 Dated 15/05/87)
Approved by HED Govt. of M.P. and Affiliated to DAVV Indore, UGC Recognized in 2 (f) & 12 (B)

Date: 16/07/2022

All programs run by Maharaja Ranjit Singh College of Professional Sciences, Indore are affiliated to Devi Ahilya Vishwavidhyalaya, Indore and the curriculum includes Project Work/Internship. The details provided in this sub point 1.3.3 of Criteria 1 are based on Project work and Internship done by students.

Principal

Dr. Anand Nighojkar

PRINCIPAL

Maharaja Ranjit Singh College
of Professional Sciences,
Khandwa Road, INDORE

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Maharaja Ranjit Singh College of Professional Sciences, Indore

Year - 1

1.3.3 Percentage of students undertaking project work/field work/internship (Data for the latest completed academic year) (10)

Programme name	Program Code	Year	List of students undertaking project work/field work/internship	Link to the relevant document		
B. Com. Honors	B. Com.	2020-21	58			
B. Com. Comp. Apps.			-			
B. Com. Plain			-			
B. Com. Tax Procedure			-			
BBA	BBA	2020-21	-			
BCA	BCA	2020-21	28			
B. Sc. CS Honors	B. Sc.	2020-21	21			
B. Sc. CS-Phy-Maths			-			
B. Sc. IT-Maths-Phy/Elex			-			
B. Sc. Elex-Maths-Phy			-			
B. Sc. Phy-Chem-Maths			-			
B. Sc. BT-LS-Chem			40			
B.Sc. BT-CS-Chem			-			
B. Sc. Micro-Pharma-Chem			-			
B. Sc. Micro-LS-Chem			23			
M. Sc. Chemistry			M. Sc.	2020-21	29	
M. Sc. Pharmaceutical Chemistry					-	
M. Sc. Microbiology					17	
M. Sc. Biotechnology	20					
M. Com.	M. Com.	2020-21	7			

Year - 2

1.3.3 Percentage of students undertaking project work/field work/internship (Data for the latest completed academic year) (10)

Programme name	Program Code	Year	List of students undertaking project work/field work/internship	Link to the relevant document		
B. Com. Honors	B. Com.	2019-20	54			
B. Com. Comp. Apps.			-			
B. Com. Plain			-			
B. Com. Tax Procedure			-			
BBA	BBA	2019-20	-			
BCA	BCA	2019-20	14			
B. Sc. CS Honors	B. Sc.	2019-20	10			
B. Sc. CS-Phy-Maths			-			
B. Sc. IT-Maths-Phy/Elex			-			
B. Sc. Elex-Maths-Phy			-			
B. Sc. Phy-Chem-Maths			-			
B. Sc. BT-LS-Chem			24			
B.Sc. BT-CS-Chem			-			
B. Sc. Micro-Pharma-Chem			-			
B. Sc. Micro-LS-Chem			21			
M. Sc. Chemistry			M. Sc.	2019-20	20	
M. Sc. Pharmaceutical Chemistry					-	
M. Sc. Microbiology					9	
M. Sc. Biotechnology	15					
M. Com.	M. Com.	2019-20	3			



Year - 3

1.3.3 Percentage of students undertaking project work/field work/internship (Data for the latest completed academic year) (10)

Programme name	Program Code	Year	List of students undertaking project work/field work/internship	Link to the relevant document		
B. Com. Honors	B. Com.	2018-19	-			
B. Com. Comp. Apps.			54			
B. Com. Plain			45			
B. Com. Tax Procedure			34			
BBA	BBA	2018-19	-			
BCA	BCA	2018-19	20			
B. Sc. CS Honors	B. Sc.	2018-19	13			
B. Sc. CS-Phy-Maths			48			
B. Sc. IT-Maths-Phy/Elex			22			
B. Sc. Elex-Maths-Phy			5			
B. Sc. Phy-Chem-Maths			13			
B. Sc. BT-LS-Chem			30			
B.Sc. BT-CS-Chem			20			
B. Sc. Micro-Pharma-Chem			10			
B. Sc. Micro-LS-Chem			11			
M. Sc. Chemistry			M. Sc.	2018-19	11	
M. Sc. Pharmaceutical Chemistry					-	
M. Sc. Microbiology	15					
M. Sc. Biotechnology	16					
M. Com.	M. Com.	2018-19	13			

Year - 4

1.3.3 Percentage of students undertaking project work/field work/internship (Data for the latest completed academic year) (10)

Programme name	Program Code	Year	List of students undertaking project work/field work/internship	Link to the relevant document		
B. Com. Honors	B. Com.	2017-18	-			
B. Com. Comp. Apps.			28			
B. Com. Plain			41			
B. Com. Tax Procedure			14			
BBA	BBA	2017-18	-			
BCA	BCA	2017-18	11			
B. Sc. CS Honors	B. Sc.	2017-18	17			
B. Sc. CS-Phy-Maths			48			
B. Sc. IT-Maths-Phy/Elex			35			
B. Sc. Elex-Maths-Phy			22			
B. Sc. Phy-Chem-Maths			-			
B. Sc. BT-LS-Chem			29			
B.Sc. BT-CS-Chem			8			
B. Sc. Micro-Pharma-Chem			5			
B. Sc. Micro-LS-Chem			12			
M. Sc. Chemistry			M. Sc.	2017-18	6	
M. Sc. Pharmaceutical Chemistry					-	
M. Sc. Microbiology	-					
M. Sc. Biotechnology	8					
M. Com.	M. Com.	2017-18	8			



Year - 5

1.3.3 Percentage of students undertaking project work/field work/internship (Data for the latest completed academic year) (10)

Programme name	Program Code	Year	List of students undertaking project work/field work/internship	Link to the relevant document
B. Com. Honors	B. Com.	2016-17		
B. Com. Comp. Apps.			33	
B. Com. Plain			42	
B. Com. Tax Procedure			26	
BBA	BBA	2016-17	-	
BCA	BCA	2016-17	5	
B. Sc. CS Honors	B. Sc.	2016-17	20	
B. Sc. CS-Phy-Maths			37	
B. Sc. IT-Maths-Phy/Elex			32	
B. Sc. Elex-Maths-Phy			1	
B. Sc. Phy-Chem-Maths			-	
B. Sc. BT-LS-Chem			35	
B.Sc. BT-CS-Chem			34	
B. Sc. Micro-Pharma-Chem			15	
B. Sc. Micro-LS-Chem			12	
M. Sc. Chemistry			M. Sc.	2016-17	9
M. Sc. Pharmaceutical Chemistry	-			
M. Sc. Microbiology	-			
M. Sc. Biotechnology	8			
M. Com.	M. Com.	2016-17	1	





Maharaja Ranjit Singh College of Professional Sciences, Indore



PROJECT WORK THESIS SUBMITTED BY STUDENTS SESSION 2020-2021

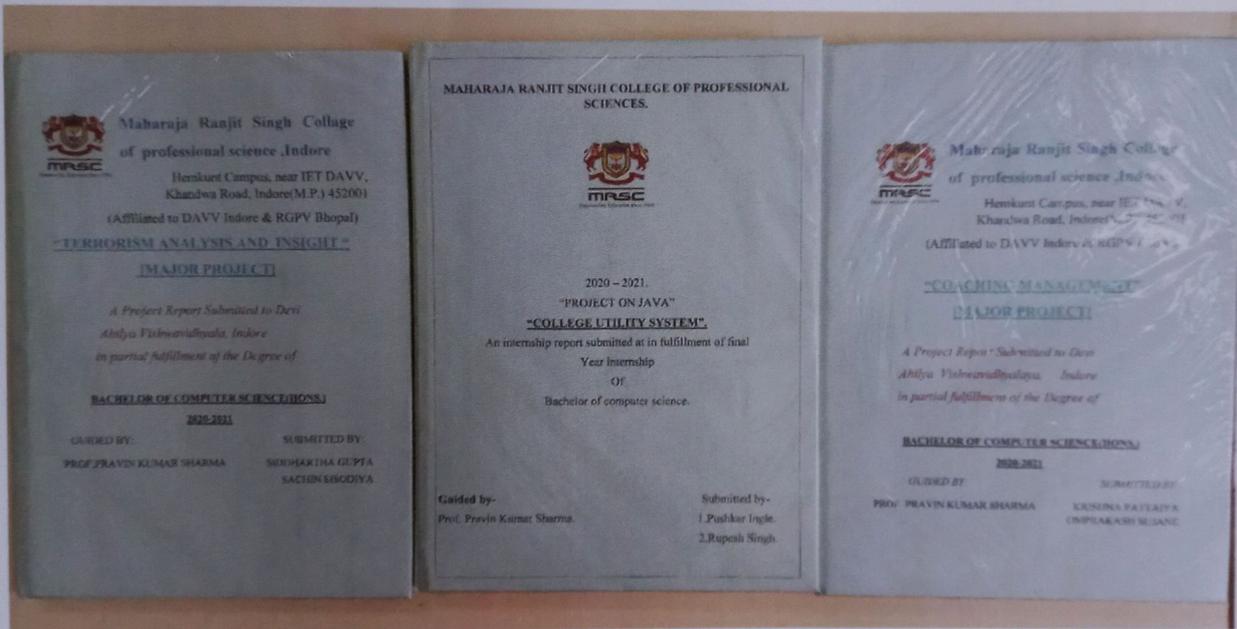




Maharaja Ranjit Singh College of Professional Sciences, Indore



PROJECT WORK THESIS SUBMITTED BY STUDENTS SESSION 2020-2021





Maharaja Ranjit Singh College of Professional Sciences, Indore



PROJECT WORK THESIS SUBMITTED BY STUDENTS
SESSION 2019- 2020





Maharaja Ranjit Singh College of Professional Sciences, Indore



PROJECT WORK THESIS SUBMITTED BY STUDENTS
SESSION 2018- 2019

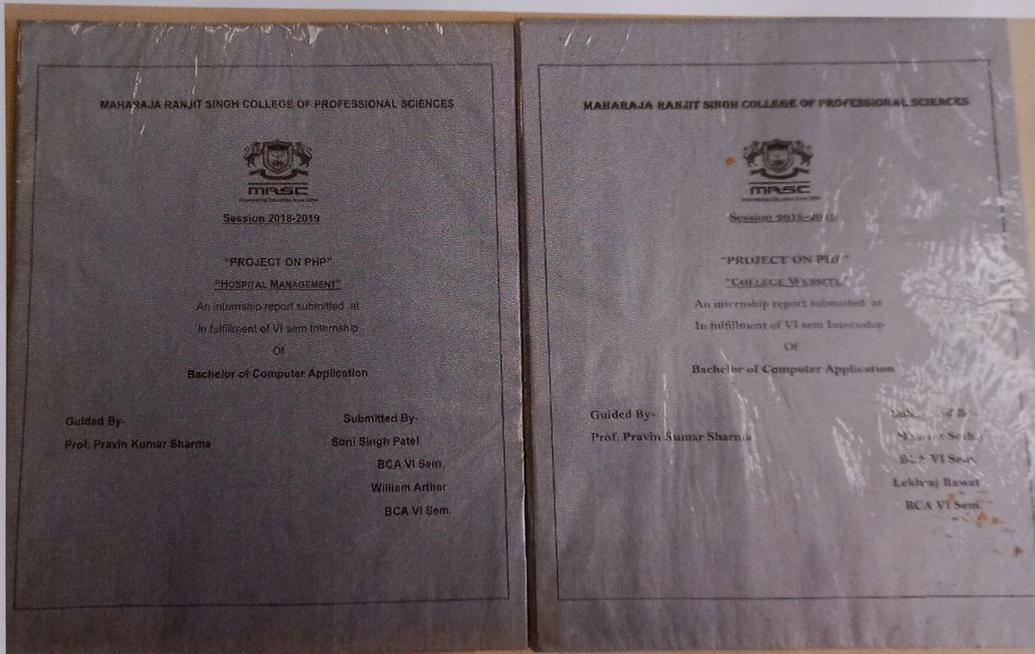




Maharaja Ranjit Singh College of Professional Sciences, Indore



PROJECT WORK THESIS SUBMITTED BY STUDENTS
SESSION 2018-2019





Maharaja Ranjit Singh College of Professional Sciences, Indore



PROJECT WORK THESIS SUBMITTED BY STUDENTS
SESSION 2018-2019

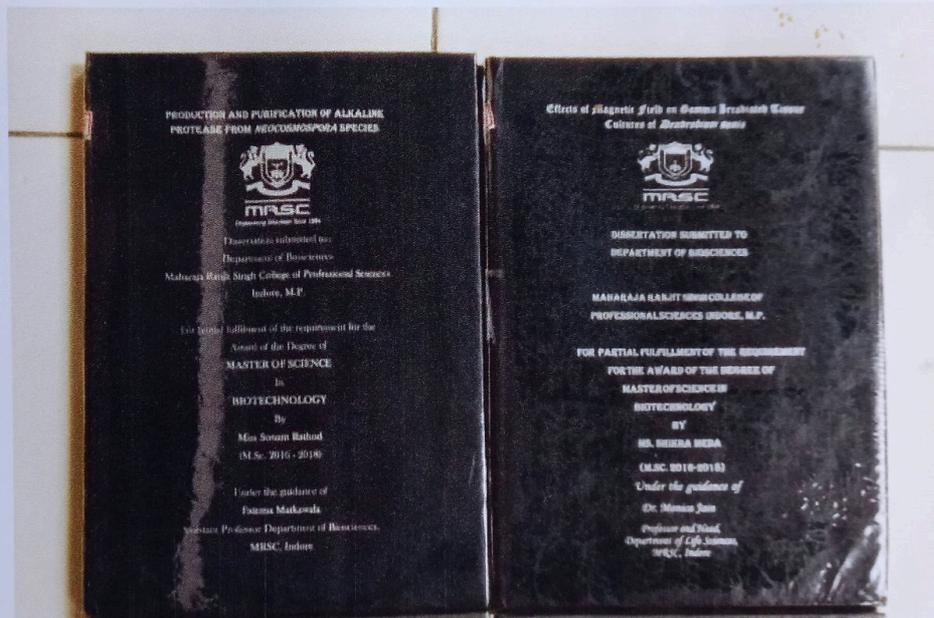




Maharaja Ranjit Singh College of Professional Sciences, Indore



PROJECT WORK THESIS SUBMITTED BY STUDENTS
SESSION 2017- 2018





Maharaja Ranjit Singh College of Professional Sciences, Indore



PROJECT WORK THESIS SUBMITTED BY STUDENTS SESSION 2017- 2018





Maharaja Ranjit Singh College of Professional Sciences, Indore



PROJECT WORK THESIS SUBMITTED BY STUDENTS SESSION 2016- 2017



DEVI AHILYA VISHWAVEDYALAYA , INDORE

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2016-17 onwards
M.Com.

अनिवार्य (Compulsory) या / त्त वैकल्पिक (Optional)	विशिष्टकरण विषय समूह (Specialisation Subject Group)	प्रश्न पत्र क्रमांक Question Paper No.	प्रश्न पत्र का शीर्षक (Title of the Question Paper)	Marks Alloted for Two CCE दो सत्र समय मूल्यांकन के अंको का आबंटन	Marks Alloted for Semester Ending Main Exam अत मुख्य परीक्षा के अंको का आबंटन	Total Marks Alloted for Paper प्रश्न पत्र के लिए कुल अंको का आबंटन
IV वैकल्पिक (Optional) Marketing Management विपणन प्रबंध	D-401	I	Advertising and Sales Management विज्ञापन एवं विक्रय प्रबंध	15	85	100
	D-402	II	Consumer Behaviour उपभोक्ता व्यवहार	15	85	100
	D-403	III	Rural and Agricultural Marketing ग्रामीण तथा कृषि विपणन	15	85	100
	D-404	IV	International Marketing अंतर्राष्ट्रीय विपणन	15	85	100
	D-405	V	Employment Oriented Project Work रोजगार मूलक परियोजना कार्य			100
Total Marks / कुल अंक						500
Project/Internship						100



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अनिवार्य (Compulsory) या / Or वैकल्पिक (Optional)	विशिष्टकरण विषय समूह (Specialisation Subject Group)	प्रश्न पत्र क्रमांक Question Paper No.	प्रश्न पत्र का शीर्षक (Title of the Question Paper)	Marks Alloted for Two CCE दो सतत समय मूल्यांकन के अंको का आवंटन	Marks Alloted for Semester Ending Main Exam सेमेस्टर अंत मुख्य परीक्षा के अंको का आवंटन	Total Marks Alloted for Paper प्रश्न पत्र के लिए कुल अंको का आवंटन
IV वैकल्पिक ¼Optional½ Financial Analysis & Control वित्तीय विश्लेषण एवं नियंत्रण	E-501	I	Security Analysis And Portfolio Management प्रतिभुति विश्लेषण एवं पोर्टफोलियो प्रबंध	15	85	100
	E-502	II	Strategic Financial Management व्युहरचना वित्तीय प्रबंध	15	85	100
	E-503	III	Project Planning and Management परियोजना नियोजन तथा प्रबंध	15	85	100
	E-504	IV	Indian Financial System भारतीय वित्तीय प्रणाली	15	85	100
	E-505	V	Employment Oriented Project Work रोजगार मूलक परियोजना कार्य			100
Total Marks / कुल अंक						500
Project/Internship						100



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अनिवार्य (Compulsory) या / Or वैकल्पिक (Optional)	विशिष्टकरण विषय समूह (Specialisation Subject Group)	प्रश्न पत्र क्रमांक Question Paper No.	प्रश्न पत्र का शीर्षक (Title of the Question Paper)	Marks Alloted for Two CCE दो सत्र समग्र मूल्यांकन के अंको का आवंटन	Marks Alloted for Semester Ending Main Exam सेमेस्टर अंत मुख्य परीक्षा के अंको का आवंटन	Total Marks Alloted for Paper प्रश्न पत्र के लिए कुल अंको का आवंटन
IV वैकल्पिक (Optional) Accounting लेखांकन	F-601	I	Corporate Accounting निगमीय लेखांकन	15	85	100
	F-602	II	Cost Administration and Control लागत प्रशासन एवं नियंत्रण	15	85	100
	F-603	III	Accounting Theory लेखांकन सिद्धांत	15	85	100
	F-604	IV	Institutional Accounting संस्थागत लेखांकन	15	85	100
	F-605	V	Employment Oriented Project Work रोजगार मूलक परियोजना कार्य			100
Total Marks / कुल अंक						500
Project/Internship						100



अनिवार्य (Compulsory) या / Or वैकल्पिक (Optional)	विशिष्टकरण विषय समूह (Specialisation Subject Group)	प्रश्न पत्र क्रमांक Question Paper No.	प्रश्न पत्र का शीर्षक (Title of the Question Paper)	Marks Alloted for Two CCE दो सत्र समग्र मूल्यांकन के अंक का आवंटन	Marks Alloted for Semester Ending Main Exam अंत मुख्य परीक्षा के अंक का आवंटन	Total Marks Alloted for Paper प्रश्न पत्र के लिए कुल अंक का आवंटन
IV वैकल्पिक (Optional) Taxation कराधान	G-701	I	Direct Tax In India भारत में प्रत्यक्ष कर	15	85	100
	G-702	II	Business Taxation व्यवसायिक कराधान	15	85	100
	G-703	III	Indirect Taxation अप्रत्यक्ष कर	15	85	100
	G-704	IV	Sales and Service Tax विक्रय एवं सेवाकर	15	85	100
	G-705	V	Employment Oriented Project Work रोजगार मूलक परियोजना का			100
Total Marks / कुल अंक						500
Project/Internship						100



फार्मास्युटिकल केमेस्ट्री चतुर्थ सेमेस्टर

प्रथम	Advanced Medicinal Chemistry	85	15	28	05
द्वितीय	Drug Design	85	15	28	05
तृतीय	Modern Analytical Techniques	85	15	28	05
चतुर्थ	Biopharmaceutics and Pharmacokinetics	85	15	28	05
पंचम	Pharmacology	85	15	28	05
	Practical:- 1- Laboratory Course -I	50	-		
	2- Laboratory Course -II	50			
	Project Work-Duration 60 Hours	100			



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DEVI AHILYA VISHWAVIDYALAYA, INDORE

Scheme of Marks
M. Sc. Chemistry

SEMESTER - IV

Paper	Compulsory/Optional	Paper Title	Code (MCH)	Max. Marks
I	Compulsory	APPLICATION OF SPECTROSCOPY-II	511	85+ 15(CCE) = 100
II	Compulsory	SOLID STATE CHEMISTRY	512	85+ 15(CCE) = 100
III	Compulsory	BIOCHEMISTRY	513	85+ 15(CCE) = 100
IV	Optional	ANY TWO	514-518	85+ 15(CCE) = 100
V	Optional			85+ 15(CCE) = 100
		PRACTICAL - 100 marks I/Organic 33 II/Physical 33 III/Physical 34 = 100		
		Project Work - 100 marks	519	100
			TOTAL	700

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DEVI AHILYA VISHVAVIDYALAYA, INDORE

M.Sc. Biotechnology (Two Year Course)

w.e.f. from 2019-2020

Semester – I		Th. +CCE	Total
I	Biochemistry	85+15	100
II	Cell and Development Biology	85+15	100
III	Microbiology	85+15	100
IV	Biostatistics & Bioinformatics	85+15	100
V	Practical – I (Paper I & II)		50
VI	Practical – II (Paper III & IV)		50
			500
Semester – II			
I	Molecular Biology	85+15	100
II	Bacterial Genetics and Genetic Engineering	85+15	100
III	Immunology	85+15	100
IV	Analytical Techniques	85+15	100
V	Practical – I (Paper I & II)		50
VI	Practical – II (Paper III & IV)		50
			500
Semester – III			
I	Enzyme Technology	85+15	100
II	Food Biotechnology	85+15	100
III	Environmental Biotechnology	85+15	100
IV	Plant Biotechnology	85+15	100
V	Practical – I (Paper I & II)		50
VI	Practical – II (Paper III & IV)		50
			500
Semester – IV			
I	Bioprocess Technology	85+15	100
II	Genomics, Proteomics, IPR & Biosafety	85+15	100
III	Animal Biotechnology	85+15	100
VI	Project		50
V	Practical – I (Paper I)		50
VI	Practical – II (Paper II & III)		50
			500
Total			2000



Scheme & Syllabus

of

**B.Sc. (IT)
Ist to VIth Semester**

**w.e.f. July 2011
(2011-2014 Batch onwards)**

**Devi Ahilya Vishwavidyalaya,
Indore(M.P.),452001**



Proposed Syllabus & Scheme for B. Sc. (IT) SEMESTER SYSTEM
(Effective from July 2011 session for 2011-14 batch onwards)

CLASS / SEMESTER	B. Sc.(IT)	CCE	MIN. MARKS	TERM END EXAM	MIN. MARKS	TOTAL 100%	MIN. MARKS
FIRST SEM.	CS-1101-- Computer Organization	15	5	85	28	100	33
	CS-1101P- Practical on Computer Org. & MS Office	---	---	---	---	50	17
SECOND SEM.	CS-1201- Prog. Problem Solving through C.	15	5	85	28	100	33
	CS-1201P- Practical on C Language	---	---	---	---	50	17
THIRD SEM.	CS-2301-Data Structure using C	15	5	85	28	100	33
	CS-2301P- Practical on Data Structure using C	---	---	---	---	50	17
	IT- 2302 Internet & Web Technology	8	3	42	14	50	17
FOURTH SEM.	CS-2401 - Database Management System	15	5	85	28	100	33
	CS-2401P- Practical on Database Management System	---	---	---	---	50	17
FIFTH SEM	IT-3501-Object oriented Programming using C++	15	5	85	28	100	33
	IT-3501P- Practical on Object oriented Programming using C++	---	---	---	---	50	17
	IT-3502-S/w Engineering	08	3	42	14	50	17
SIXTH SEM	IT-3601-Java Programming	15	5	85	28	100	33
	IT-3601P-Minor Project Using Java/Web Tech	---	---	---	---	50	17

PS - CCE ---- CONTINUOUS COMPREHENSIVE EVALUATION, INDIVIDUAL PASSING REQUIRED FOR THEORY AND PRACTICAL SUBJECT.

(Effective from July 2011 session for 2011-14 batch onwards)



Scheme & Syllabus

of

**B.Sc. (Computer Science) Hons.
Ist to VIth Semester**

**w.e.f. July 2011
(2011-2014 Batch onwards)**

**Devi Ahilya Vishwavidyalaya,
Indore(M.P.),452001**



Proposed Syllabus & Scheme for B. Sc.(CS.)Hons. SEMESTER SYSTEM
(Effective from July 2011 session for 2011-14 batch onwards)

CLASS /SEMESTER	B. Sc.(CS)Hons.	CCE	MIN. MARKS	TERM END EXAM	MIN. MARKS	TOTAL 100%	MIN. MARKS
FIRST SEM.	CS-1101--Computer Organization	15	5	85	28	100	33
	CS-1101P- Practical on Computer Org. & MS Office	---	---	---	---	50	17
SECOND SEM.	CS-1201- Programming & Problem Solving through C.	15	5	85	28	100	33
	CS-1201P- Practical on C Language	---	---	---	---	50	17
THIRD SEM.	CS-2301-Data Structure using C Language.	15	5	85	28	100	33
	CS-2301P-Practical on Data Structure using C	---	---	---	---	50	17
FOURTH SEM.	CS-2302- Operating System using Linux	15	5	85	28	100	33
	CS-2401- Database Management System	15	5	85	28	100	33
FIFTH SEM	CS-2401P-Practical on RDBMS	---	---	---	---	50	17
	CS-2402-System Programming	15	5	85	28	100	33
FIFTH SEM	CS-3501 Object Oriented Programming using C++	15	5	85	28	100	33
	CS-3501P-Practical on C++	---	---	---	---	50	17
SIXTH SEM	CS-3502 Computer Graphics	15	5	85	28	100	33
	CS-3502P Practical on Computer Graphics	--	---	---	---	50	17
SIXTH SEM	CS-3503 Computer Oriented Numerical Method	15	5	85	28	100	33
	CS- 3503P Practical on CONM using C++	--	---	---	---	50	17
SIXTH SEM	CS-3601-Computer Network	15	5	85	28	100	33
	CS-3601P-Practical on Computer Network	---	---	---	---	50	17

(Effective from July 2011 session for 2011-14 batch onwards)



	CS-3602 Computer Architecture	15	5	85	28	100	33
	CS-3603 VB .NET	15	5	85	28	100	33
	CS-3602P Major Project	-	-	-	-	100	33

PS - CCE — CONTINUOUS COMPREHENSIVE EVALUATION, INDIVIDUAL PASSING REQUIRED FOR THEORY.



(Effective from July 2011 session for 2011-14 batch onwards)

DEVI AHILYA VISHWAVIDYALAYA,
INDORE

SEMESTER WISE SCHEME
OF SYLLABUS
FOR

BACHELOR
OF
COMPUTER APPLICATIONS
(B.C.A.)

2011-12 Academic Year ONWARDS

DEVI AHILYA VISHWAVIDYALAYA,
INDORE(M.P.)



BCA PART III Semester –Scheme :2013-14 and Onwards:
Course of studies for the BCA –V Semester

BCA - V Sem Course

Course	Theory Max. Marks		Practical Max Marks	Max. Marks	Min Marks
	Internal	External			
BCA - 501 Introduction to JAVA	-----	50	-----	50	17
BCA - 502 Computer Organization and Architecture	10	40	-----	50	4+13
BCA - 503 Software Eng.	10	40	-----	50	4+13
BCA - 504 Discrete Mathematics & Linear algebra	10	40	-----	50	4+13
BCA - 505 Web Designing & web Technology	10	40	-----	50	4+13
BCA - 506 Entrepreneurship	5	20	-----	25	2+07
BCA - 507 Practical JAVA	-----	-----	25	25	9
BCA - 508 VB/ VB.NET Practical	-----	-----	50	25	17
Total Marks	45	230	75	-----	-----
Grand Total	-----	-----	-----	350	-----

BCA - VI Sem Course

Course	Theory Max. Marks		Practical Max Marks	Max. Marks	Min Marks
	Internal	External			
BCA - 601 Computer Graphics & Multimedia	-----	50	-----	50	17
BCA - 602 Computer Oriented Numerical Methods	-----	50	-----	50	17
BCA - 603 Microprocessor & assembly language Programming	-----	50	-----	50	17
BCA - 604 Principles and Practices of Management	10	40	-----	50	4+13
BCA - 605 Project	-----	-----	75	75	28
BCA - 606 Computer Graphics Practical	-----	-----	25	25	9
BCA - 607 Practical (CONM Using C)	-----	-----	25	25	9
BCA - 608 Practical (Microprocessor & assembly language Programming)	-----	-----	25	25	9
Total Marks	10	190	150	-----	-----
Grand Total	-----	-----	-----	350	-----



DEVI AHILYA VISHWAKYADYALAYA , INDORE



2016-17 onwards
M.Com.

अनिवार्य (Compulsory) या / वा वैकल्पिक (Optional)	विशिष्टकरण, विषय समूह (Specialisation Subject Group)	प्रश्न पत्र क्रमांक Question Paper No.	प्रश्न पत्र का शीर्षक (Title of the Question Paper)	Marks Alloted for Two CCE दो सत्र समग्र मूल्यांकन के अंको का आबंटन	Marks Alloted for Semester Ending Main Exam सेमेस्टर अंत मुख्य परीक्षा के अंको का आबंटन	Total Marks Alloted for Paper प्रश्न पत्र के लिए कुल अंको का आबंटन
वैकल्पिक (Optional) Marketing Management विपणन प्रबंध	D-401	I	Advertising and Sales Management विज्ञापन एवं विक्रय प्रबंध	15	85	100
	D-402	II	Consumer Behaviour उपभोक्ता व्यवहार	15	85	100
	D-403	III	Rural and Agricultural Marketing ग्रामीण तथा कृषि विपणन	15	85	100
	D-404	IV	International Marketing अंतर्राष्ट्रीय विपणन	15	85	100
	D-405	V	Employment Oriented Project Work रोजगार मूलक परियोजना कार्य			100
Total Marks / कुल अंक						500
Project/Internship						100



अनिवार्य (Compulsory) या / Or वैकल्पिक (Optional)	विशिष्टकरण विषय समूह (Specialisation Subject Group)	प्रश्न पत्र क्रमांक Question Paper No.	प्रश्न पत्र का शीर्षक (Title of the Question Paper)	Marks Alloted for Two CCE दो सत्र समग्र मूल्यांकन के अंको का आवंटन	Marks Alloted for Semester Ending Main Exam सेमेस्टर अंत मुख्य परीक्षा के अंको का आवंटन	Total Marks Alloted for Paper प्रश्न पत्र के लिए कुल अंको का आवंटन
IV वैकल्पिक 1/4 Optional 1/2 Financial Analysis & Control वित्तीय विश्लेषण एवं नियंत्रण	E-501	I	Security Analysis And Portfolio Management प्रतिभुति विश्लेषण एवं पोर्टफोलियो प्रबंध	15	85	100
	E-502	II	Strategic Financial Management ब्युहरचना वित्तीय प्रबंध	15	85	100
	E-503	III	Project Planning and Management परियोजना नियोजन तथा प्रबंध	15	85	100
	E-504	IV	Indian Financial System भारतीय वित्तीय प्रणाली	15	85	100
	E-505	V	Employment Oriented Project Work रोजगार मूलक परियोजना कार्य			100
Total Marks / कुल अंक						500
Project/Internship						100



6

अनिवार्य (Compulsory) या / Or वैकल्पिक (Optional)	विशिष्टकरण विषय समूह (Specialisation Subject Group)	प्रश्न पत्र क्रमांक Question Paper No.	प्रश्न पत्र का शीर्षक (Title of the Question Paper)	Marks Alloted for Two CCE दो सत्र समग्र मूल्यांकन के अंको का आवंटन	Marks Alloted for Semester Ending Main Exam सेमेस्टर अंत मुख्य परीक्षा के अंको का आवंटन	Total Marks Alloted for Paper प्रश्न पत्र के लिए कुल अंको का आवंटन
IV वैकल्पिक (Optional) Accounting लेखांकन	F-601	I	Corporate Accounting निगमीय लेखांकन	15	85	100
	F-602	II	Cost Administration and Control लागत प्रशासन एवं नियंत्रण	15	85	100
	F-603	III	Accounting Theory लेखांकन सिद्धांत	15	85	100
	F-604	IV	Institutional Accounting संस्थागत लेखांकन	15	85	100
	F-605	V	Employment Oriented Project Work रोजगार मूलक परियोजना कार्य			100
Total Marks / कुल अंक						500
Project/Internship						100



प्रश्नपत्र (Question Paper)	अनिवार्य (Compulsory) या / Or वैकल्पिक (Optional)	विशिष्टकरण विषय समूह (Specialisation Subject Group)	प्रश्न पत्र क्रमांक (Question Paper No.)	प्रश्न पत्र का शीर्षक (Title of the Question Paper)	Marks Alloted for Two CCE दो सत्र समग्र मूल्यांकन के अंको का आवंटन	Marks Alloted for Semester Ending Main Exam अंत मुख्य परीक्षा के अंको का आवंटन	Total Marks Alloted for Paper प्रश्न पत्र के लिए कुल अंको का आवंटन
IV	वैकल्पिक (Optional) Taxation कराधान	G-701	I	Direct Tax In India भारत में प्रत्यक्ष कर	15	85	100
		G-702	II	Business Taxation व्यवसायिक कराधान	15	85	100
		G-703	III	Indirect Taxation अप्रत्यक्ष कर	15	85	100
		G-704	IV	Sales and Service Tax विक्रय एवं सेवाकर	15	85	100
		G-705	V	Employment Oriented Project Work रोजगार मूलक परियोजना का,			100
Total Marks / कुल अंक							500
Projrct/Internship							100



**Scheme and Syllabus
of
M.Sc. Chemistry**

III and IV Semesters
Effective from Academic Year 2016-17 onwards

**Devi Ahilya Vishwavidyalaya,
Indore (M.P.), 452001**



DEVI AHILYA VISHWAVIDYALAYA, INDORE

Scheme of Marks
M. Sc. Chemistry
(w.e.f. 2016 and onwards)
SEMESTER - III

Paper	Compulsory/Optional	Paper Title	Code (MCH)	Max. Marks
I	Compulsory	APPLICATION OF SPECTROSCOPY-I	501	85+ 15(CCE) = 100
II	Compulsory	PHOTOCHEMISTRY	502	85+ 15(CCE) = 100
III	Compulsory	ENVIRONMENTAL CHEMISTRY	503	85+ 15(CCE) = 100
IV	Optional -I	ANY TWO	504-508	85+ 15(CCE) = 100
V	Optional -II			85+ 15(CCE) = 100
		PRACTICAL-1. Inorganic 2. Organic 3. Physical		33 33 34 =100
		Total		600

SEMESTER - IV

Paper	Compulsory/Optional	Paper Title	Code (MCH)	Max. Marks
I	Compulsory	APPLICATION OF SPECTROSCOPY-II	511	85+ 15(CCE) = 100
II	Compulsory	SOLID STATE CHEMISTRY	512	85+ 15(CCE) = 100
III	Compulsory	BIOCHEMISTRY	513	85+ 15(CCE) = 100
IV	Optional	ANY TWO	514-518	85+ 15(CCE) = 100
V	Optional			85+ 15(CCE) = 100
		PRACTICAL- 1. Inorganic 2. Organic 3. Physical		33 33 34 =100
		Project Work - Duration	60 HOURS	100
		Total		700



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 2-9-2016

DEVI AHILYA VISHVAVIDYALAYA, INDORE

M.Sc. Biotechnology (Two Year Course)

w.e.f. from 2019-2020

Semester – I		Th. +CCE	Total
I	Biochemistry	85+15	100
II	Cell and Development Biology	85+15	100
III	Microbiology	85+15	100
IV	Biostatistics & Bioinformatics	85+15	100
V	Practical – I (Paper I & II)		50
VI	Practical – II (Paper III & IV)		50
			500
Semester – II			
I	Molecular Biology	85+15	100
II	Bacterial Genetics and Genetic Engineering	85+15	100
III	Immunology	85+15	100
IV	Analytical Techniques	85+15	100
V	Practical – I (Paper I & II)		50
VI	Practical – II (Paper III & IV)		50
			500
Semester – III			
I	Enzyme Technology	85+15	100
II	Food Biotechnology	85+15	100
III	Environmental Biotechnology	85+15	100
IV	Plant Biotechnology	85+15	100
V	Practical – I (Paper I & II)		50
VI	Practical – II (Paper III & IV)		50
			500
Semester – IV			
I	Bioprocess Technology	85+15	100
II	Genomics, Proteomics, IPR & Biosafety	85+15	100
III	Animal Biotechnology	85+15	100
VI	Project		100
V	Practical – I (Paper I)		50
VI	Practical – II (Paper II & III)		50
			500
Total			2000



Scheme & Syllabus

of

**B.Sc. (IT)
Ist to VIth Semester**

**w.e.f. July 2011
(2011-2014 Batch onwards)**

**Devi Ahilya Vishwavidyalaya,
Indore(M.P.),452001**



Proposed Syllabus & Scheme for B. Sc. (IT) SEMESTER SYSTEM
(Effective from July 2011 session for 2011-14 batch onwards)

CLASS /SEMESTER	B. Sc.(IT)	CCE	MIN. MARKS	TERM END EXAM	MIN. MARKS	TOTAL 100%	MIN. MARKS
FIRST SEM.	CS-1101-- Computer Organization	15	5	85	28	100	33
	CS-1101P- Practical on Computer Org & MS Office	---	---	---	---	50	17
SECOND SEM.	CS-1201- Prog. Problem Solving through C.	15	5	85	28	100	33
	CS-1201P- Practical on C Language	---	---	---	---	50	17
THIRD SEM.	CS-2301-Data Structure using C	15	5	85	28	100	33
	CS-2301P- Practical on Data Structure using C	---	---	---	---	50	17
	IT- 2302 Internet & Web Technology	8	3	42	14	50	17
FOURTH SEM.	CS-2401 - Database Management System	15	5	85	28	100	33
	CS-2401P- Practical on Database Management System	---	---	---	---	50	17
FIFTH SEM	IT-3501-Object oriented Programming using C++	15	5	85	28	100	33
	IT-3501P- Practical on Object oriented Programming using C++	---	---	---	---	50	17
	IT-3502-S/w Engineering	08	3	42	14	50	17
SIXTH SEM	IT-3601-Java Programming	15	5	85	28	100	33
	IT-3601P-Minor Project Using Java/Web Tech	---	---	---	---	50	17

PS :-CCE ----- CONTINUOUS COMPREHENSIVE EVALUATION, INDIVIDUAL PASSING REQUIRED FOR THEORY AND PRACTICAL SUBJECT.

(Effective from July 2011 session for 2011-14 batch onwards)



Scheme & Syllabus

of

**B.Sc. (Computer Science)Hons.
Ist to VIth Semester**

**w.e.f. July 2011
(2011-2014 Batch onwards)**

**Devi Ahilya Vishwavidyalaya,
Indore(M.P.),452001**



Proposed Syllabus & Scheme for B. Sc.(CS.)Hons. SEMESTER SYSTEM
(Effective from July 2011 session for 2011-14 batch onwards)

CLASS /SEMESTER	B. Sc.(CS)Hons.	CCE	MIN. MARKS	TERM END EXAM	MIN. MARKS	TOTAL 100%	MIN. MARKS
FIRST SEM.	CS-1101--Computer Organization	15	5	85	28	100	33
	CS-1101P- Practical on Computer Org. & MS Office	---	---	---	---	50	17
SECOND SEM.	CS-1201- Programming & Problem Solving through C.	15	5	85	28	100	33
	CS-1201P- Practical on C Language	---	---	---	---	50	17
THIRD SEM.	CS-2301-Data Structure using C Language.	15	5	85	28	100	33
	CS-2301P-Practical on Data Structure using C	---	---	---	---	50	17
	CS-2302- Operating System using Linux	15	5	85	28	100	33
FOURTH SEM.	CS-2401- Database Management System	15	5	85	28	100	33
	CS-2401P-Practical on RDBMS	---	---	---	---	50	17
	CS-2402-System Programming	15	5	85	28	100	33
FIFTH SEM	CS-3501 Object Oriented Programming using C++	15	5	85	28	100	33
	CS-3501P-Practical on C++	---	---	---	---	50	17
	CS-3502 Computer Graphics	15	5	85	28	100	33
	CS-3502P Practical on Computer Graphics	---	---	---	---	50	17
	CS-3503 Computer Oriented Numerical Method	15	5	85	28	100	33
	CS- 3503P Practical on CONM using C++	---	---	---	---	50	17
SIXTH SEM	CS-3601-Computer Network	15	5	85	28	100	33
	CS-3601P-Practical on Computer Network	---	---	---	---	50	17

(Effective from July 2011 session for 2011-14 batch onwards)



	CS-3602 Computer Architecture	15	5	85	28	100	33
	CS-3603 VB .NET	15	5	85	28	100	33
	CS-3602P Major Project	-	-	-	-	100	33

P5. - CCE — CONTINUOUS COMPREHENSIVE EVALUATION. INDIVIDUAL PASSING REQUIRED FOR THEORY



(Effective from July 2011 session for 2011-14 batch onwards)

DEVI AHILYA VISHWAVIDYALAYA,
INDORE

SEMESTER WISE SCHEME
OF SYLLABUS
FOR

BACHELOR
OF
COMPUTER APPLICATIONS
(B.C.A.)

2011-12 Academic Year ONWARDS

DEVI AHILYA VISHWAVIDYALAYA,
INDORE(M.P.)



BCA PART III Semester –Scheme :2013-14 and Onwards:
Course of studies for the BCA –V Semester

BCA - V Sem Course

Course	Theory Max. Marks		Practical Max Marks	Max. Marks	Min Marks
	Internal	External			
BCA - 501 Introduction to JAVA	-----	50	-----	50	17
BCA - 502 Computer Organization and Architecture	10	40	-----	50	4+13
BCA - 503 Software Eng.	10	40	-----	50	4+13
BCA - 504 Discrete Mathematics & Linear algebra	10	40	-----	50	4+13
BCA -505 Web Designing & web Technology	10	40	-----	50	4+13
BCA - 506 Entrepreneurship	5	20	-----	25	2+07
BCA - 507 Practical JAVA	-----	-----	25	25	9
BCA - 508 VB/ VB.NET Practical	-----	-----	50	25	17
Total Marks	45	230	75	-----	-----
Grand Total	-----	-----	-----	350	-----

BCA - VI Sem Course

Course	Theory Max. Marks		Practical Max Marks	Max. Marks	Min Marks
	Internal	External			
BCA - 601 Computer Graphics & Multimedia	-----	50	-----	50	17
BCA - 602 Computer Oriented Numerical Methods	-----	50	-----	50	17
BCA - 603 Microprocessor & assembly language Programming	-----	50	-----	50	17
BCA - 604 Principles and Practices of Management	10	40	-----	50	4+13
BCA - 605 Project	-----	-----	75	75	26
BCA - 606 Computer Graphics Practical	-----	-----	25	25	9
BCA - 607 Practical (CONM Using C)	-----	-----	25	25	9
BCA - 608 Practical (Microprocessor & assembly language Programming)	-----	-----	25	25	9
Total Marks	10	190	150	-----	-----
Grand Total	-----	-----	-----	350	-----

6 | EFFECTIVE FOR STUDENTS WHO GOT ADMITTED IN 1 YEAR IN JULY 2011 or LATER



DEVI AHILYA VISHWAVIDYALAYA, INDORE



2016-17 onwards
M.Com.

अनिवार्य (Compulsory) या / वा वैकल्पिक (Optional)	विशिष्टकरण, विषय समूह (Specialisation Subject Group)	प्रश्न पत्र क्रमांक Question Paper No.	प्रश्न पत्र का शीर्षक (Title of the Question Paper)	Marks Alloted for Two CCE दो सत्र समग्र मूल्यांकन के अंको का आवंटन	Marks Alloted for Semester Ending Main Exam सेमेस्टर अंत मुख्य परीक्षा के अंको का आवंटन	Total Marks Alloted for Paper प्रश्न पत्र के लिए कुल अंको का आवंटन
IV वैकल्पिक (Optional) Marketing Management विपणन प्रबंध	D-401	I	Advertising and Sales Management विज्ञापन एवं विक्रय प्रबंध	15	85	100
	D-402	II	Consumer Behaviour उपभोक्ता व्यवहार	15	85	100
	D-403	III	Rural and Agricultural Marketing ग्रामीण तथा कृषि विपणन	15	85	100
	D-404	IV	International Marketing अंतर्राष्ट्रीय विपणन	15	85	100
	D-405	V	Employment Oriented Project Work रोजगार मूलक परियोजना कार्य			100
Total Marks / कुल अंक						500
Project/Internship						100



अनिवार्य (Compulsory) या / Or वैकल्पिक (Optional)	विशिष्टकरण विषय समूह (Specialisation Subject Group)	प्रश्न पत्र क्रमांक Question Paper No.	प्रश्न पत्र का शीर्षक (Title of the Question Paper)	Marks Alloted for Two CCE दो सत्र समग्र मूल्यांकन के अंको का आवंटन	Marks Alloted for Semester Ending Main Exam अंत मुख्य परीक्षा के अंको का आवंटन	Total Marks Alloted for Paper प्रश्न पत्र के लिए कुल अंको का आवंटन
IV वैकल्पिक 1/4 Optional 1/2 Financial Analysis & Control वित्तीय विश्लेषण एवं नियंत्रण	E-501	I	Security Analysis And Portfolio Management प्रतिभूति विश्लेषण एवं पोर्टफोलियो प्रबंध	15	85	100
	E-502	II	Strategic Financial Management व्युह रचना वित्तीय प्रबंध	15	85	100
	E-503	III	Project Planning and Management परियोजना नियोजन तथा प्रबंध	15	85	100
	E-504	IV	Indian Financial System भारतीय वित्तीय प्रणाली	15	85	100
	E-505	V	Employment Oriented Project Work रोजगार मूलक परियोजना कार्य			100
Total Marks / कुल अंक						500
Project/Internship						100



6

अनिवार्य (Compulsory) या / Or वैकल्पिक (Optional)	विशिष्टकरण विषय समूह (Specialisation Subject Group)	प्रश्न पत्र क्रमांक Question Paper No.	प्रश्न पत्र का शीर्षक (Title of the Question Paper)	Marks Alloted for Two CCE दो सत्र समग्र मूल्यांकन के अंको का आवंटन	Marks Alloted for Semester Ending Main Exam संमेस्टर अंत मुख्य परीक्षा के अंको का आवंटन	Total Marks Alloted for Paper प्रश्न पत्र के लिए कुल अंको का आवंटन
IV वैकल्पिक (Optional) Accounting लेखांकन	F-601	I	Corporate Accounting निगमीय लेखांकन	15	85	100
	F-602	II	Cost Administration and Control लागत प्रशासन एवं नियंत्रण	15	85	100
	F-603	III	Accounting Theory लेखांकन सिद्धांत	15	85	100
	F-604	IV	Institutional Accounting संस्थागत लेखांकन	15	85	100
	F-605	V	Employment Oriented Project Work रोजगार मूलक परियोजना कार्य			100
Total Marks / कुल अंक						500
Project/Internship						100



अनिवार्य (Compulsory) या / Or वैकल्पिक (Optional)	विशिष्टकरण विषय समूह (Specialisation Subject Group)	प्रश्न पत्र क्रमांक Question Paper No.	प्रश्न पत्र का शीर्षक (Title of the Question Paper)	Marks Alloted for Two CCE दो सत्र समग्र मूल्यांकन के अंको का आवंटन	Marks Alloted for Semester Ending Main Exam सेमेस्टर अंत मुख्य परीक्षा के अंको का आवंटन	Total Marks Alloted for Paper प्रश्न पत्र के लिए कुल अंको का आवंटन
वैकल्पिक (Optional) Taxation कराधान	G-701	I	Direct Tax In India भारत में प्रत्यक्ष कर	15	85	100
	G-702	II	Business Taxation व्यवसायिक कराधान	15	85	100
	G-703	III	Indirect Taxation अप्रत्यक्ष कर	15	85	100
	G-704	IV	Sales and Service Tax विक्रय एवं सेवाकर	15	85	100
	G-705	V	Employment Oriented Project Work रोजगार मूलक परियोजना का			100
Total Marks / कुल अंक						500
Project/Internship						100



DEVI AHILYA VISHWAVIDYALAYA, INDORE

Scheme of Marks
M. Sc. Chemistry
(w.e.f. 2018 and onwards)

SEMESTER - IV

Paper	Compulsory/Optional	Paper Title	Code (MCH)	Max. Marks
I	Compulsory	APPLICATION OF SPECTROSCOPY-II	511	85+ 15(CCE) = 100
II	Compulsory	SOLID STATE CHEMISTRY	512	85+ 15(CCE) = 100
III	Compulsory	BIOCHEMISTRY	513	85+ 15(CCE) = 100
IV	Optional	ANY TWO	514-518	85+ 15(CCE) = 100
V	Optional			85+ 15(CCE) = 100
		PRACTICAL- 1. Inorganic 2. Organic 3. Physical		33 33 34 =100
		Project Work - Duration	60 HOURS	100
		Total		700

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6/2/18
A. Sharma
06/2/2018

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06.02.2016
B. S. Chauhan

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6.2.18

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06.02.2018

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06.02.18

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6.2.18

[Signature]
S. Kumar

[Signature]
06/2/2018

[Signature]
06/2/18



DEVI AHILYA VISHWAVIDYALAYA, INDORE

M.Sc. (Microbiology): Four Semester Course

(Duration: Two years)

M. Sc. Sem. I

Paper	Subject	Maximum Marks		Minimum Passing Marks	
		Theory	C. C. E.	Theory	C. C. E.
I	Bacteriology	85	15	28	05
II	Virology, Mycology and Phycology	85	15	28	05
III	Immunology	85	15	28	05
IV	Microbial Biochemistry	85	15	28	05
Practical	Lab course – I (Paper I and II)	50		20	
Practical	Lab course – II (Paper III and IV)	50		20	
	Total Marks	500			

M. Sc. Sem. II

Paper	Subject	Maximum Marks		Minimum Passing Marks	
		Theory	C. C. E.	Theory	C. C. E.
I	Microbial Genetics	85	15	28	05
II	Microbial Physiology	85	15	28	05
III	Instrumentation	85	15	28	05
IV	Bioprocess Technology	85	15	28	05
Practical	Lab course – I (Paper I and II)	50		20	
Practical	Lab course – II (Paper III and IV)	50		20	
	Total Marks	500			

M. Sc. Sem. III

Paper	Subject	Maximum Marks		Minimum Passing Marks	
		Theory	C. C. E.	Theory	C. C. E.
I	Molecular Biology & Genetic Engineering	85	15	28	05
II	Medical Microbiology	85	15	28	05
III	Biostatistics and Bioinformatics	85	15	28	05
IV	Applied Microbiology	85	15	28	05
Practical	Lab course – I (Paper I and II)	50		20	
Practical	Lab course – II (Paper III and IV)	50		20	
	Total Marks	500			



I. Sc. Sem. IV

Paper	Subject	Maximum Marks		Minimum Passing Marks	
		Theory	C. C. E.	Theory	C. C. E.
I	Pharmaceutical Microbiology	85	15	28	05
II	Food and Dairy Microbiology	85	15	28	05
III	Environmental Microbiology and Phytopathology	85	15	28	05
IV	Bio-Nanotechnology and Stem Cell Technology	85	15	28	05
	Project Work		100		40
Practical	Lab course – I (Paper I and II)		50		20
Practical	Lab course – II (Paper III and IV)		50		20
	Total Marks		600		
	Grand Total Marks		2100		
Theory-50 lectures/paper (1 lecture = 1hr)					

General Scheme for Practical Examination (Minimum 2 days)
M.Sc. Microbiology

Lab Course I (Paper I & II) Total marks- 50	Q.1 Major Exercise with options from Paper I	12 Marks
	Q.2 Major Exercise with options from Paper II	12 Marks
	Q.3 Minor Exercise with options from Paper I & II	10 Marks
	Q.4 Viva-Voce	08 Marks
	Q.5 Journal	08 Marks
Lab Course II (Paper III & IV) Total marks- 50	Q.1 Major Exercise with options from Paper III	12 Marks
	Q.2 Major Exercise with options from Paper IV	12 Marks
	Q.3 Minor Exercise with options from Paper III & IV	10 Marks
	Q.4 Viva-Voce	08 Marks
	Q.5 Journal	08 Marks



DEVI AHILYA VISHVAVIDYALAYA, INDORE

M.Sc. Biotechnology (Two Year Course)

w.e.f. from 2019-2020

Semester – I		Th. +CCE	Total
I	Biochemistry	85+15	100
II	Cell and Development Biology	85+15	100
III	Microbiology	85+15	100
IV	Biostatistics & Bioinformatics	85+15	100
V	Practical – I (Paper I & II)		50
VI	Practical – II (Paper III & IV)		50
			500
Semester – II			
I	Molecular Biology	85+15	100
II	Bacterial Genetics and Genetic Engineering	85+15	100
III	Immunology	85+15	100
IV	Analytical Techniques	85+15	100
V	Practical – I (Paper I & II)		50
VI	Practical – II (Paper III & IV)		50
			500
Semester – III			
I	Enzyme Technology	85+15	100
II	Food Biotechnology	85+15	100
III	Environmental Biotechnology	85+15	100
IV	Plant Biotechnology	85+15	100
V	Practical – I (Paper I & II)		50
VI	Practical – II (Paper III & IV)		50
			500
Semester – IV			
I	Bioprocess Technology	85+15	100
II	Genomics, Proteomics, IPR & Biosafety	85+15	100
III	Animal Biotechnology	85+15	100
VI	Project		100
V	Practical – I (Paper I)		50
VI	Practical – II (Paper II & III)		50
			500
	Total		2000



Scheme & Syllabus

of

B.Sc. (IT)
Ist to VIth Semester

w.e.f. July 2011
(2011-2014 Batch onwards)

Devi Ahilya Vishwavidyalaya,
Indore(M.P.),452001



Proposed Syllabus & Scheme for B. Sc. (IT) SEMESTER SYSTEM
(Effective from July 2011 session for 2011-14 batch onwards)

CLASS /SEMESTER	B. Sc.(IT)	CCE	MIN. MARKS	TERM END EXAM	MIN. MARKS	TOTAL 100%	MIN. MARKS
FIRST SEM.	CS-1101-- Computer Organization	15	5	85	28	100	33
	CS-1101P- Practical on Computer Org. & MS Office	---	---	---	---	50	17
SECOND SEM.	CS-1201- Prog. Problem Solving through C.	15	5	85	28	100	33
	CS-1201P- Practical on C Language	---	---	---	---	50	17
THIRD SEM.	CS-2301-Data Structure using C	15	5	85	28	100	33
	CS-2301P- Practical on Data Structure using C	---	---	---	---	50	17
	IT- 2302 Internet & Web Technology	8	3	42	14	50	17
FOURTH SEM.	CS-2401 – Database Management System	15	5	85	28	100	33
	CS-2401P- Practical on Database Management System	---	---	---	---	50	17
FIFTH SEM	IT-3501-Object oriented Programming using C++	15	5	85	28	100	33
	IT-3501P- Practical on Object oriented Programming using C++	---	---	---	---	50	17
	IT-3502-S/w Engineering	08	3	42	14	50	17
SIXTH SEM	IT-3601-Java Programming	15	5	85	28	100	33
	IT-3601P-Minor Project Using Java/Web Tech	---	---	---	---	50	17

PS - CCE --- CONTINUOUS COMPREHENSIVE EVALUATION, INDIVIDUAL PASSING REQUIRED FOR THEORY AND PRACTICAL SUBJECT.

(Effective from July 2011 session for 2011-14 batch onwards)



Scheme & Syllabus

of

**B.Sc. (Computer Science)Hons.
Ist to VIth Semester**

**w.e.f. July 2011
(2011-2014 Batch onwards)**

**Devi Ahilya Vishwavidyalaya,
Indore(M.P.),452001**



Proposed Syllabus & Scheme for B. Sc.(CS.)Hons. SEMESTER SYSTEM
(Effective from July 2011 session for 2011-14 batch onwards)

CLASS /SEMESTER	B. Sc.(CS)Hons.	CCE	MIN. MARKS	TERM END EXAM	MIN. MARKS	TOTAL 100%	MIN. MARKS
FIRST SEM.	CS-1101--Computer Organization	15	5	85	28	100	33
	CS-1101P- Practical on Computer Org. & MS Office	---	---	---	---	50	17
SECOND SEM.	CS-1201- Programming & Problem Solving through C.	15	5	85	28	100	33
	CS-1201P- Practical on C Language	---	---	---	---	50	17
THIRD SEM.	CS-2301-Data Structure using C Language.	15	5	85	28	100	33
	CS-2301P-Practical on Data Structure using C	---	---	---	---	50	17
	CS-2302- Operating System using Linux	15	5	85	28	100	33
FOURTH SEM.	CS-2401- Database Management System	15	5	85	28	100	33
	CS-2401P-Practical on RDBMS	---	---	---	---	50	17
	CS-2402-System Programming	15	5	85	28	100	33
FIFTH SEM	CS-3501 Object Oriented Programming using C++	15	5	85	28	100	33
	CS-3501P-Practical on C++	---	---	---	---	50	17
	CS-3502 Computer Graphics	15	5	85	28	100	33
	CS-3502P Practical on Computer Graphics	--	---	---	---	50	17
	CS-3503 Computer Oriented Numerical Method	15	5	85	28	100	33
	CS- 3503P Practical on CONM using C++	--	---	---	---	50	17
SIXTH SEM	CS-3601-Computer Network	15	5	85	28	100	33
	CS-3601P-Practical on Computer Network	---	---	---	---	50	17

(Effective from July 2011 session for 2011-14 batch onwards)



	CS-3602 Computer Architecture	15	5	85	28	100	33
	CS-3603 VB .NET	15	5	85	28	100	33
	CS-3602P Major Project	-	-	-	-	100	33

PS - CCE ----- CONTINUOUS COMPREHENSIVE EVALUATION. INDIVIDUAL PASSING REQUIRED FOR THEORY



(Effective from July 2011 session for 2011-14 batch onwards)

DEVI AHILYA VISHWAVIDYALAYA,
INDORE

**SEMESTER WISE SCHEME
OF SYLLABUS
FOR**

**BACHELOR
OF
COMPUTER APPLICATIONS
(B.C.A.)**

2011-12 Academic Year ONWARDS

**DEVI AHILYA VISHWAVIDYALAYA,
INDORE(M.P.)**



BCA PART III Semester –Scheme :2013-14 and Onwards:
Course of studies for the BCA –V Semester

BCA - V Sem Course

Course	Theory Max. Marks		Practical Max Marks	Max. Marks	Min Marks
	Internal	External			
BCA - 501 Introduction to JAVA	-----	50	-----	50	17
BCA - 502 Computer Organization and Architecture	10	40	-----	50	4+13
BCA - 503 Software Eng.	10	40	-----	50	4+13
BCA - 504 Discrete Mathematics & Linear algebra	10	40	-----	50	4+13
BCA - 505 Web Designing & web Technology	10	40	-----	50	4+13
BCA - 506 Entrepreneurship	5	20	-----	25	2+07
BCA - 507 Practical JAVA	-----	-----	25	25	9
BCA - 508 VB/ VB.NET Practical	-----	-----	50	25	17
Total Marks	45	230	75	-----	-----
Grand Total	-----	-----	-----	350	-----

BCA – VI Sem Course

Course	Theory Max. Marks		Practical Max Marks	Max. Marks	Min Marks
	Internal	External			
BCA - 601 Computer Graphics & Multimedia	-----	50	-----	50	17
BCA - 602 Computer Oriented Numerical Methods	-----	50	-----	50	17
BCA - 603 Microprocessor & assembly language Programming	-----	50	-----	50	17
BCA - 604 Principles and Practices of Management	10	40	-----	50	4+13
BCA - 605 Project	-----	-----	75	75	26
BCA - 606 Computer Graphics Practical	-----	-----	25	25	9
BCA - 607 Practical (CONM Using C)	-----	-----	25	25	9
BCA - 608 Practical (Microprocessor & assembly language Programming)	-----	-----	25	25	9
Total Marks	10	190	150	-----	-----
Grand Total	-----	-----	-----	350	-----



DEVI AHILYA VISHWAVEDYALAYA, INDORE



2016-17 onwards
M.Com.

अनिवार्य (Compulsory) या / न वैकल्पिक (Optional)	विशिष्टकरण, विषय समूह (Specialisation Subject Group)	प्रश्न पत्र क्रमांक Question Paper No.	प्रश्न पत्र का शीर्षक (Title of the Question Paper)	Marks Alloted for Two CCE दो सत्र समग्र मूल्यांकन के अंको का आवंटन	Marks Alloted for Semester Ending Main Exam सेमेस्टर अंत मुख्य परीक्षा के अंको का आवंटन	Total Marks Alloted for Paper प्रश्न पत्र के लिए कुल अंको का आवंटन
वैकल्पिक (Optional) Marketing Management विपणन प्रबंध	D-401	I	Advertising and Sales Management विज्ञापन एवं विक्रय प्रबंध	15	85	100
	D-402	II	Consumer Behaviour उपभोक्ता व्यवहार	15	85	100
	D-403	III	Rural and Agricultural Marketing ग्रामीण तथा कृषि विपणन	15	85	100
	D-404	IV	International Marketing अंतर्राष्ट्रीय विपणन	15	85	100
	D-405	V	Employment Oriented Project Work रोजगार मूलक परियोजना कार्य			100
Total Marks / कुल अंक						500
Project/Internship						100



अनिवार्य (Compulsory) या / Or वैकल्पिक (Optional)	विशिष्टकरण विषय समूह (Specialisation Subject Group)	प्रश्न पत्र क्रमांक Question Paper No.	प्रश्न पत्र का शीर्षक (Title of the Question Paper)	Marks Alloted for Two CCE दो सत्र समग्र मूल्यांकन के अंको का आवंटन	Marks Alloted for Semester Ending Main Exam सेमेस्टर अंत मुख्य परीक्षा के अंको का आवंटन	Total Marks Alloted for Paper प्रश्न पत्र के लिए कुल अंको का आवंटन
IV वैकल्पिक ¼Optional½ Financial Analysis & Control वित्तीय विश्लेषण एवं नियंत्रण	E-501	I	Security Analysis And Portfolio Management प्रतिभुति विश्लेषण एवं पोर्टफोलियो प्रबंध	15	85	100
	E-502	II	Strategic Financial Management व्युहरचना वित्तीय प्रबंध	15	85	100
	E-503	III	Project Planning and Management परियोजना नियोजन तथा प्रबंध	15	85	100
	E-504	IV	Indian Financial System भारतीय वित्तीय प्रणाली	15	85	100
	E-505	V	Employment Oriented Project Work रोजगार मूलक परियोजना कार्य			100
Total Marks / कुल अंक						500
Project/Internship						100



6

अनिवार्य (Compulsory) या / Or वैकल्पिक (Optional)	विशिष्टकरण विषय समूह (Specialisation Subject Group)	प्रश्न पत्र क्रमांक Question Paper No.	प्रश्न पत्र का शीर्षक (Title of the Question Paper)	Marks Alloted for Two CCE दो सत्र समग्र मूल्यांकन के अंको का आवंटन	Marks Alloted for Semester Ending Main Exam संमेस्टर अंत मुख्य परीक्षा के अंको का आवंटन	Total Marks Alloted for Paper प्रश्न पत्र के लिए कुल अंको का आवंटन
IV वैकल्पिक (Optional) Accounting लेखांकन	F-601	I	Corporate Accounting निगमीय लेखांकन	15	85	100
	F-602	II	Cost Administration and Control लागत प्रशासन एवं नियंत्रण	15	85	100
	F-603	III	Accounting Theory लेखांकन सिद्धांत	15	85	100
	F-604	IV	Institutional Accounting संस्थागत लेखांकन	15	85	100
	F-605	V	Employment Oriented Project Work रोजगार मूलक परियोजना कार्य			100
Total Marks / कुल अंक						500
Project/Internship						100



क्रमांक (Sr. No.)	अनिवार्य (Compulsory) या / Or वैकल्पिक (Optional)	विशिष्टकरण विषय समूह (Specialisation Subject Group)	प्रश्न पत्र क्रमांक Question Paper No.	प्रश्न पत्र का शीर्षक (Title of the Question Paper)	Marks Alloted for Two CCE दो सत्र समग्र मूल्यांकन के अंको का आवंटन	Marks Alloted for Semester Ending Main Exam अंत मुख्य परीक्षा के अंको का आवंटन	Total Marks Alloted for Paper प्रश्न पत्र के लिए कुल अंको का आवंटन
IV	वैकल्पिक (Optional) Taxation कराधान	G-701	I	Direct Tax In India भारत में प्रत्यक्ष कर	15	85	100
		G-702	II	Business Taxation व्यवसायिक कराधान	15	85	100
		G-703	III	Indirect Taxation अप्रत्यक्ष कर	15	85	100
		G-704	IV	Sales and Service Tax विक्रय एवं सेवाकर	15	85	100
		G-705	V	Employment Oriented Project Work रोजगार मूलक परियोजना का,			100
Total Marks / कुल अंक							500
Project/Internship							100



DEVI AHILYA VISHWAVIDYALAYA, INDORE

M.Sc. (Microbiology): Four Semester Course

(Duration: Two years)

M. Sc. Sem. I					
Paper	Subject	Maximum Marks		Minimum Passing Marks	
		Theory	C. C. E.	Theory	C. C. E.
I	Bacteriology	85	15	28	05
II	Virology, Mycology and Phycology	85	15	28	05
III	Immunology	85	15	28	05
IV	Microbial Biochemistry	85	15	28	05
Practical	Lab course – I (Paper I and II)	50		20	
Practical	Lab course – II (Paper III and IV)	50		20	
	Total Marks	500			
M. Sc. Sem. II					
Paper	Subject	Maximum Marks		Minimum Passing Marks	
		Theory	C. C. E.	Theory	C. C. E.
I	Microbial Genetics	85	15	28	05
II	Microbial Physiology	85	15	28	05
III	Instrumentation	85	15	28	05
IV	Bioprocess Technology	85	15	28	05
Practical	Lab course – I (Paper I and II)	50		20	
Practical	Lab course – II (Paper III and IV)	50		20	
	Total Marks	500			
M. Sc. Sem. III					
Paper	Subject	Maximum Marks		Minimum Passing Marks	
		Theory	C. C. E.	Theory	C. C. E.
I	Molecular Biology & Genetic Engineering	85	15	28	05
II	Medical Microbiology	85	15	28	05
III	Biostatistics and Bioinformatics	85	15	28	05
IV	Applied Microbiology	85	15	28	05
Practical	Lab course – I (Paper I and II)	50		20	
Practical	Lab course – II (Paper III and IV)	50		20	
	Total Marks	500			



M. Sc. Sem. IV

Paper	Subject	Maximum Marks		Minimum Passing Marks	
		Theory	C. C. E.	Theory	C. C. E.
I	Pharmaceutical Microbiology	85	15	28	05
II	Food and Dairy Microbiology	85	15	28	05
III	Environmental Microbiology and Phytopathology	85	15	28	05
IV	Bio-Nanotechnology and Stem Cell Technology	85	15	28	05
	Project Work	100		40	
Practical	Lab course – I (Paper I and II)	50		20	
Practical	Lab course – II (Paper III and IV)	50		20	
	Total Marks	600			
	Grand Total Marks	2100			

Theory-50 lectures/paper (1 lecture = 1hr)

General Scheme for Practical Examination (Minimum 2 days)		
M.Sc. Microbiology		
Lab Course I (Paper I & II) Total marks- 50	Q.1 Major Exercise with options from Paper I	12 Marks
	Q.2 Major Exercise with options from Paper II	12 Marks
	Q.3 Minor Exercise with options from Paper I & II	10 Marks
	Q.4 Viva-Voce	08 Marks
	Q.5 Journal	08 Marks
Lab Course II (Paper III & IV) Total marks- 50	Q.1 Major Exercise with options from Paper III	12 Marks
	Q.2 Major Exercise with options from Paper IV	12 Marks
	Q.3 Minor Exercise with options from Paper III & IV	10 Marks
	Q.4 Viva-Voce	08 Marks
	Q.5 Journal	08 Marks



DEVI AHILYA VISHVAVIDYALAYA, INDORE

M.Sc. Biotechnology (Two Year Course)

w.e.f. from 2019-2020

Semester – I		Th. +CCE	Total
I	Biochemistry	85+15	100
II	Cell and Development Biology	85+15	100
III	Microbiology	85+15	100
IV	Biostatistics & Bioinformatics	85+15	100
V	Practical – I (Paper I & II)		50
VI	Practical – II (Paper III & IV)		50
			500
Semester – II			
I	Molecular Biology	85+15	100
II	Bacterial Genetics and Genetic Engineering	85+15	100
III	Immunology	85+15	100
IV	Analytical Techniques	85+15	100
V	Practical – I (Paper I & II)		50
VI	Practical – II (Paper III & IV)		50
			500
Semester – III			
I	Enzyme Technology	85+15	100
II	Food Biotechnology	85+15	100
III	Environmental Biotechnology	85+15	100
IV	Plant Biotechnology	85+15	100
V	Practical – I (Paper I & II)		50
VI	Practical – II (Paper III & IV)		50
			500
Semester – IV			
I	Bioprocess Technology	85+15	100
II	Genomics, Proteomics, IPR & Biosafety	85+15	100
III	Animal Biotechnology	85+15	100
VI	Project		50
V	Practical – I (Paper I)		50
VI	Practical – II (Paper II & III)		50
			500
			2000
Total			



Devi Ahilya Vishwavidyalaya, Indore

Syllabus for B.Sc. Part- I, II, III, Life Science (as one subject),

2017 onwards

Class	Title of the Paper	Distribution of Marks		
		Theory	Internals	Total
B.Sc. I Year	I- Introduction to Biochemistry, Cell Biology, Plant & Animal Diversity	40	10	50
	II- Environmental Biology, Genetics & Evolution	40	10	50
	Practical	-	-	50
	Total			150

Class	Title of the Paper	Distribution of Marks		
		Theory	Internals	Total
B.Sc. II Year	I- Morphology, Developmental Biology and Physiology of Angiosperms	40	10	50
	II- Morphology, Developmental Biology and Physiology of Mammals	40	10	50
	Practical	-	-	50
	Total			150

Class	Title of the Paper	Distribution of Marks		
		Theory	Internals	Total
B.Sc. III Year	I- Microbiology, Immunology and Animal Cell Culture	40	10	50
	II- Molecular Biology, Genetic Engineering and Plant Tissue Culture	40	10	50
	Practical	-	-	50
	Total			150

Scheme of Practical Examination in Each Class/year		
Total Marks- 50 Duration - 5 Hrs.	1. Major exercise-1	12 Marks
	2. Major exercise-2	12 Marks
	3. Minor exercise	06 Marks
	4. Spotting	05 Marks
	5. Viva-Voce	05 Marks
	6. Practical record	05 Marks
	7. Project	05 Marks

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Devi Ahilya Vishwavidyalaya, Indore

Syllabus for B.Sc. Part- I, II, III, Life Science (as one subject).

2017 onwards

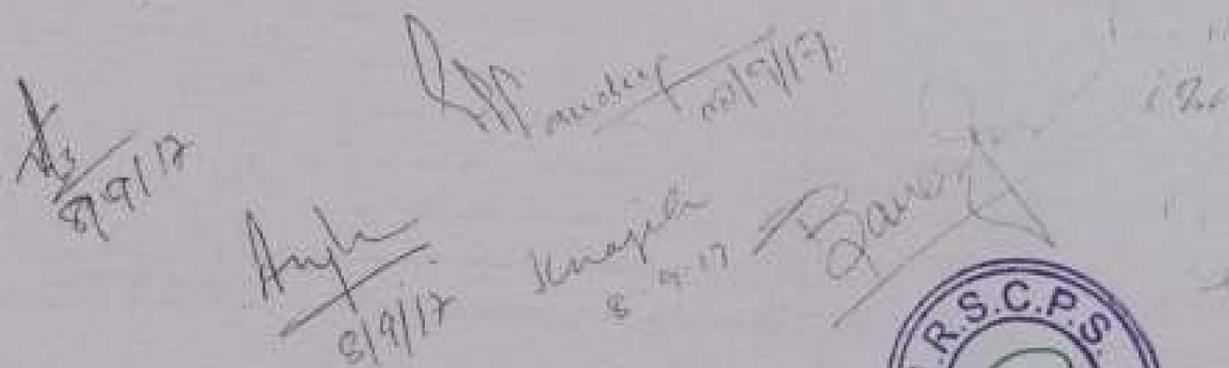
Class	Title of the Paper	Distribution of Marks		
		Theory	Internals	Total
B.Sc. I Year	I- Introduction to Biochemistry, Cell Biology, Plant & Animal Diversity	40	10	50
	II- Environmental Biology, Genetics & Evolution	40	10	50
	Practical	-	-	50
	Total			150

Class	Title of the Paper	Distribution of Marks		
		Theory	Internals	Total
B.Sc. II Year	I- Morphology, Developmental Biology and Physiology of Angiosperms	40	10	50
	II- Morphology, Developmental Biology and Physiology of Mammals	40	10	50
	Practical	-	-	50
	Total			150

Class	Title of the Paper	Distribution of Marks		
		Theory	Internals	Total
B.Sc. III Year	I- Microbiology, Immunology and Animal Cell Culture	40	10	50
	II- Molecular Biology, Genetic Engineering and Plant Tissue Culture	40	10	50
	Practical	-	-	50
	Total			150

Scheme of Practical Examination in Each Class/year

Total Marks- 50 Duration - 5 Hrs.	1. Major exercise-1	12 Marks
	2. Major exercise-2	12 Marks
	3. Minor exercise	06 Marks
	4. Spotting	05 Marks
	5. Viva-Voce	05 Marks
	6. Practical record	05 Marks
	7. Project	05 Marks





B.Com - Honours

Course Structure & Scheme of Examination

Group	Paper	Name	Theory marks	Internal Assessment Marks
First Year				
Accounting	I	Financial Accounting	40	10
	II	Business Mathematics	40	10
Management	I	Principles of Management	40	10
	II	Business Organization and Communication	40	10
Applied Economics	I	Managerial Economics	40	10
	II	Macro Economics	40	10
Second Year				
Accounting	I	Corporate Accounting	40	10
	II	Advanced Accounting and Practice	40	10
Management	I	Marketing Management	40	10
	II	Financial Management	40	10
Applied Economics	I	Public Finance	40	10
	II	Advanced Statistics	40	10
Third Year				
Accounting	I	Management & Cost Accounting	40	10
	II	Income Tax Law & Practice	40	10
Management	I	Human Resource Management	40	10
	II	Research Methodology	40	10
Applied Economics	I	Banking Law & Practice	40	10
	II	Indirect Taxes Law & Practice	40	10
Practical	Project Report and Viva-Voce		50	

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Scheme & Syllabus

of

**B.Sc. (Computer Science)Hons.
Ist to VIth Semester**

**w.e.f. July 2011
(2011-2014 Batch onwards)**

**Devi Ahilya Vishwavidyalaya,
Indore(M.P.),452001**



Proposed Syllabus & Scheme for B. Sc.(CS.)Hons. SEMESTER SYSTEM
(Effective from July 2011 session for 2011-14 batch onwards)

CLASS /SEMESTER	B. Sc.(CS)Hons.	CCE	MIN. MARKS	TERM END EXAM	MIN. MARKS	TOTAL 100%	MIN. MARKS
FIRST SEM.	CS-1101--Computer Organization	15	5	85	28	100	33
	CS-1101P- Practical on Computer Org. & MS Office	---	---	---	---	50	17
SECOND SEM.	CS-1201- Programming & Problem Solving through C.	15	5	85	28	100	33
	CS-1201P- Practical on C Language	---	---	---	---	50	17
THIRD SEM.	CS-2301-Data Structure using C Language.	15	5	85	28	100	33
	CS-2301P-Practical on Data Structure using C	---	---	---	---	50	17
	CS-2302- Operating System using Linux	15	5	85	28	100	33
FOURTH SEM.	CS-2401- Database Management System	15	5	85	28	100	33
	CS-2401P-Practical on RDBMS	---	---	---	---	50	17
	CS-2402-System Programming	15	5	85	28	100	33
FIFTH SEM	CS-3501 Object Oriented Programming using C++	15	5	85	28	100	33
	CS-3501P-Practical on C++	---	---	---	---	50	17
	CS-3502 Computer Graphics	15	5	85	28	100	33
	CS-3502P Practical on Computer Graphics	---	---	---	---	50	17
	CS-3503 Computer Oriented Numerical Method	15	5	85	28	100	33
	CS- 3503P Practical on CONM using C++	---	---	---	---	50	17
SIXTH SEM	CS-3601-Computer Network	15	5	85	28	100	33
	CS-3601P-Practical on Computer Network	---	---	---	---	50	17

(Effective from July 2011 session for 2011-14 batch onwards)



DEVI AHILYA VISHWAVIDYALAYA,
INDORE

SEMESTER WISE SCHEME
OF SYLLABUS
FOR

BACHELOR
OF
COMPUTER APPLICATIONS
(B.C.A.)

2011-12 Academic Year ONWARDS

DEVI AHILYA VISHWAVIDYALAYA,
INDORE(M.P.)



BCA PART III Semester -Scheme :2013-14 and Onwards:
Course of studies for the BCA -V Semester

BCA - V Sem Course

Course	Theory Max. Marks		Practical Max Marks	Max. Marks	Min Marks
	Internal	External			
BCA - 501 Introduction to JAVA	-----	50	-----	50	17
BCA - 502 Computer Organization and Architecture	10	40	-----	50	4+13
BCA - 503 Software Eng.	10	40	-----	50	4+13
BCA - 504 Discrete Mathematics & Linear algebra	10	40	-----	50	4+13
BCA - 505 Web Designing & web Technology	10	40	-----	50	4+13
BCA - 506 Entrepreneurship	5	20	-----	25	2+07
BCA - 507 Practical JAVA	-----	-----	25	25	9
BCA - 508 VB/ VB.NET Practical	-----	-----	50	25	17
Total Marks	45	230	75	-----	-----
Grand Total	-----	-----	-----	350	-----

BCA - VI Sem Course

Course	Theory Max. Marks		Practical Max Marks	Max. Marks	Min Marks
	Internal	External			
BCA - 601 Computer Graphics & Multimedia	-----	50	-----	50	17
BCA - 602 Computer Oriented Numerical Methods	-----	50	-----	50	17
BCA - 603 Microprocessor & assembly language Programming	-----	50	-----	50	17
BCA - 604 Principles and Practices of Management	10	40	-----	50	4+13
BCA - 605 Project	-----	-----	75	75	26
BCA - 606 Computer Graphics Practical	-----	-----	25	25	9
BCA - 607 Practical (CONM Using C)	-----	-----	25	25	9
BCA - 608 Practical (Microprocessor & assembly language Programming)	-----	-----	25	25	9
Total Marks	10	190	150	-----	-----
Grand Total	-----	-----	-----	350	-----



DEVI AHILYA VISHWAVEDYALAYA, INDORE



2016-17 onwards
M.Com.

अनिवार्य (Compulsory) या / वा वैकल्पिक (Optional)	विशिष्टकरण, विषय समूह (Specialisation Subject Group)	प्रश्न पत्र क्रमांक Question Paper No.	प्रश्न पत्र का शीर्षक (Title of the Question Paper)	Marks Alloted for Two CCE दो सत्र समग्र मूल्यांकन के अंकों का आवंटन	Marks Alloted for Semester Ending Main Exam अंत मुख्य परीक्षा के अंकों का आवंटन	Total Marks Alloted for Paper प्रश्न पत्र के लिए कुल अंकों का आवंटन
वैकल्पिक (Optional) Marketing Management विपणन प्रबंध	D-401	I	Advertising and Sales Management विज्ञापन एवं विक्रय प्रबंध	15	85	100
	D-402	II	Consumer Behaviour उपभोक्ता व्यवहार	15	85	100
	D-403	III	Rural and Agricultural Marketing ग्रामीण तथा कृषि विपणन	15	85	100
	D-404	IV	International Marketing अंतर्राष्ट्रीय विपणन	15	85	100
	D-405	V	Employment Oriented Project Work रोजगार मूलक परियोजना कार्य			100
Total Marks / कुल अंक						500
Project/Internship						100



अनिवार्य (Compulsory) या / Or वैकल्पिक (Optional)	विशिष्टकरण विषय समूह (Specialisation Subject Group)	प्रश्न पत्र क्रमांक Question Paper No.	प्रश्न पत्र का शीर्षक (Title of the Question Paper)	Marks Alloted for Two CCE दो सत्र समग्र मूल्यांकन के अंको का आवंटन	Marks Alloted for Semester Ending Main Exam अंत मुख्य परीक्षा के अंको का आवंटन	Total Marks Alloted for Paper प्रश्न पत्र के लिए कुल अंको का आवंटन
वैकल्पिक $\frac{1}{4}$ Optional $\frac{1}{2}$ Financial Analysis & Control वित्तीय विश्लेषण एवं नियंत्रण	E-501	I	Security Analysis And Portfolio Management प्रतिभुति विश्लेषण एवं पोर्टफोलियो प्रबंध	15	85	100
	E-502	II	Strategic Financial Management व्युहरचना वित्तीय प्रबंध	15	85	100
	E-503	III	Project Planning and Management परियोजना नियोजन तथा प्रबंध	15	85	100
	E-504	IV	Indian Financial System भारतीय वित्तीय प्रणाली	15	85	100
	E-505	V	Employment Oriented Project Work रोजगार मूलक परियोजना कार्य			100
Total Marks / कुल अंक						500
Project/Internship						100



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अनिवार्य (Compulsory) या / Or वैकल्पिक (Optional)	विशिष्टकरण विषय समूह (Specialisation Subject Group)	प्रश्न पत्र क्रमांक Question Paper No.	प्रश्न पत्र का शीर्षक (Title of the Question Paper)	Marks Alloted for Two CCE दो सत्र समग्र मूल्यांकन के अंको का आवंटन	Marks Alloted for Semester Ending Main Exam सेमेस्टर अंत मुख्य परीक्षा के अंको का आवंटन	Total Marks Alloted for Paper प्रश्न पत्र के लिए कुल अंको का आवंटन
IV वैकल्पिक (Optional) Accounting लेखांकन	F-601	I	Corporate Accounting निगमीय लेखांकन	15	85	100
	F-602	II	Cost Administration and Control लागत प्रशासन एवं नियंत्रण	15	85	100
	F-603	III	Accounting Theory लेखांकन सिद्धांत	15	85	100
	F-604	IV	Institutional Accounting संस्थागत लेखांकन	15	85	100
	F-605	V	Employment Oriented Project Work रोजगार मूलक परियोजना कार्य			100
Total Marks / कुल अंक						500
Project/Internship						100



क्र.सं. (Sl. No.)	अनिवार्य (Compulsory) या / Or वैकल्पिक (Optional)	विशिष्टकरण विषय समूह (Specialisation Subject Group)	प्रश्न पत्र क्रमांक Question Paper No.	प्रश्न पत्र का शीर्षक (Title of the Question Paper)	Marks Alloted for Two CCE दो सत्र समय मूल्यांकन के अंक का आवंटन	Marks Alloted for Semester Ending Main Exam सेमेस्टर अंत मुख्य परीक्षा के अंक का आवंटन	Total Marks Alloted for Paper प्रश्न पत्र के लिए कुल अंक का आवंटन
IV	वैकल्पिक (Optional) Taxation कराधान	G-701	I	Direct Tax In India भारत में प्रत्यक्ष कर	15	85	100
		G-702	II	Business Taxation व्यवसायिक कराधान	15	85	100
		G-703	III	Indirect Taxation अप्रत्यक्ष कर	15	85	100
		G-704	IV	Sales and Service Tax विक्रय एवं सेवाकर	15	85	100
		G-705	V	Employment Oriented Project Work रोजगार मूलक परियोजना का;			100
Total Marks / कुल अंक							500
Project/Internship							100



DEVI ABHILYA VISHWAVIDYALAYA, INDORE

Scheme of Marks

M. Sc. Chemistry

(w.e.f. 2018 and onwards)

SEMESTER – IV

Paper	Compulsory/Optional	Paper Title	Code (MCH)	Max. Marks
I	Compulsory	APPLICATION OF SPECTROSCOPY-II	511	85+ 15(CCE) = 100
II	Compulsory	SOLID STATE CHEMISTRY	512	85+ 15(CCE) = 100
III	Compulsory	BIOCHEMISTRY	513	85+ 15(CCE) = 100
IV	Optional	ANY TWO	514-518	85+ 15(CCE) = 100
V	Optional			85+ 15(CCE) = 100
		PRACTICAL- 1. Inorganic 2. Organic 3. Physical		33 33 34 =100
		Project Work – Duration	60 HOURS	100
		Total		700

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DEVI AHILYA VISHWAVIDYALAYA, INDORE

M.Sc. (Microbiology): Four Semester Course

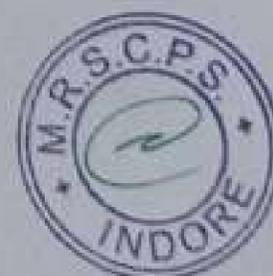
(Duration: Two years)

M. Sc. Sem. I					
Paper	Subject	Maximum Marks		Minimum Passing Marks	
		Theory	C. C. E.	Theory	C. C. E.
I	Bacteriology	85	15	28	05
II	Virology, Mycology and Phycology	85	15	28	05
III	Immunology	85	15	28	05
IV	Microbial Biochemistry	85	15	28	05
Practical	Lab course – I (Paper I and II)	50		20	
Practical	Lab course – II (Paper III and IV)	50		20	
	Total Marks	500			
M. Sc. Sem. II					
Paper	Subject	Maximum Marks		Minimum Passing Marks	
		Theory	C. C. E.	Theory	C. C. E.
I	Microbial Genetics	85	15	28	05
II	Microbial Physiology	85	15	28	05
III	Instrumentation	85	15	28	05
IV	Bioprocess Technology	85	15	28	05
Practical	Lab course – I (Paper I and II)	50		20	
Practical	Lab course – II (Paper III and IV)	50		20	
	Total Marks	500			
M. Sc. Sem. III					
Paper	Subject	Maximum Marks		Minimum Passing Marks	
		Theory	C. C. E.	Theory	C. C. E.
I	Molecular Biology & Genetic Engineering	85	15	28	05
II	Medical Microbiology	85	15	28	05
III	Biostatistics and Bioinformatics	85	15	28	05
IV	Applied Microbiology	85	15	28	05
Practical	Lab course – I (Paper I and II)	50		20	
Practical	Lab course – II (Paper III and IV)	50		20	
	Total Marks	500			



M. Sc. Sem. IV					
Paper	Subject	Maximum Marks		Minimum Passing Marks	
		Theory	C. C. E.	Theory	C. C. E.
I	Pharmaceutical Microbiology	85	15	28	05
II	Food and Dairy Microbiology	85	15	28	05
III	Environmental Microbiology and Phytopathology	85	15	28	05
IV	Bio-Nanotechnology and Stem Cell Technology	85	15	28	05
	Project Work	100		40	
Practical	Lab course – I (Paper I and II)	50		20	
Practical	Lab course – II (Paper III and IV)	50		20	
	Total Marks	600			
	Grand Total Marks	2100			
Theory-50 lectures/paper (1 lecture = 1hr)					

General Scheme for Practical Examination (Minimum 2 days)		
M.Sc. Microbiology		
Lab Course I (Paper I & II) Total marks- 50	Q.1 Major Exercise with options from Paper I	12 Marks
	Q.2 Major Exercise with options from Paper II	12 Marks
	Q.3 Minor Exercise with options from Paper I & II	10 Marks
	Q.4 Viva-Voce	08 Marks
	Q.5 Journal	08 Marks
Lab Course II (Paper III & IV) Total marks- 50	Q.1 Major Exercise with options from Paper III	12 Marks
	Q.2 Major Exercise with options from Paper IV	12 Marks
	Q.3 Minor Exercise with options from Paper III & IV	10 Marks
	Q.4 Viva-Voce	08 Marks
	Q.5 Journal	08 Marks



DEVI AHILYA VISHVAVIDYALAYA, INDORE

M.Sc. Biotechnology (Two Year Course)

w.e.f. from 2019-2020

Semester – I		Th. +CCE	Total
I	Biochemistry	85+15	100
II	Cell and Development Biology	85+15	100
III	Microbiology	85+15	100
IV	Biostatistics & Bioinformatics	85+15	100
V	Practical – I (Paper I & II)		50
VI	Practical – II (Paper III & IV)		50
			500
Semester – II			
I	Molecular Biology	85+15	100
II	Bacterial Genetics and Genetic Engineering	85+15	100
III	Immunology	85+15	100
IV	Analytical Techniques	85+15	100
V	Practical – I (Paper I & II)		50
VI	Practical – II (Paper III & IV)		50
			500
Semester – III			
I	Enzyme Technology	85+15	100
II	Food Biotechnology	85+15	100
III	Environmental Biotechnology	85+15	100
IV	Plant Biotechnology	85+15	100
V	Practical – I (Paper I & II)		50
VI	Practical – II (Paper III & IV)		50
			500
Semester – IV			
I	Bioprocess Technology	85+15	100
II	Genomics, Proteomics, IPR & Biosafety	85+15	100
III	Animal Biotechnology	85+15	100
VI	Project		100
V	Practical – I (Paper I)		50
VI	Practical – II (Paper II & III)		50
			500
Total			2000



B.Com – Honours

Course Structure & Scheme of Examination

Group	Paper	Name	Theory marks	Internal Assessment Marks
First Year				
Accounting	I	Financial Accounting	40	10
	II	Business Mathematics	40	10
Management	I	Principles of Management	40	10
	II	Business Organization and Communication	40	10
Applied Economics	I	Managerial Economics	40	10
	II	Macro Economics	40	10
Second Year				
Accounting	I	Corporate Accounting	40	10
	II	Advanced Accounting and Practice	40	10
Management	I	Marketing Management	40	10
	II	Financial Management	40	10
Applied Economics	I	Public Finance	40	10
	II	Advanced Statistics	40	10
Third Year				
Accounting	I	Management & Cost Accounting	40	10
	II	Income Tax Law & Practice	40	10
Management	I	Human Resource Management	40	10
	II	Research Methodology	40	10
Applied Economics	I	Banking Law & Practice	40	10
	II	Indirect Taxes Law & Practice	40	10
Practical	Project Report and Viva-Voce			50

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Devi Ahilya Vishwavidyalaya, Indore

Syllabus for B.Sc. Part- I, II, III. Life Science (as one subject).

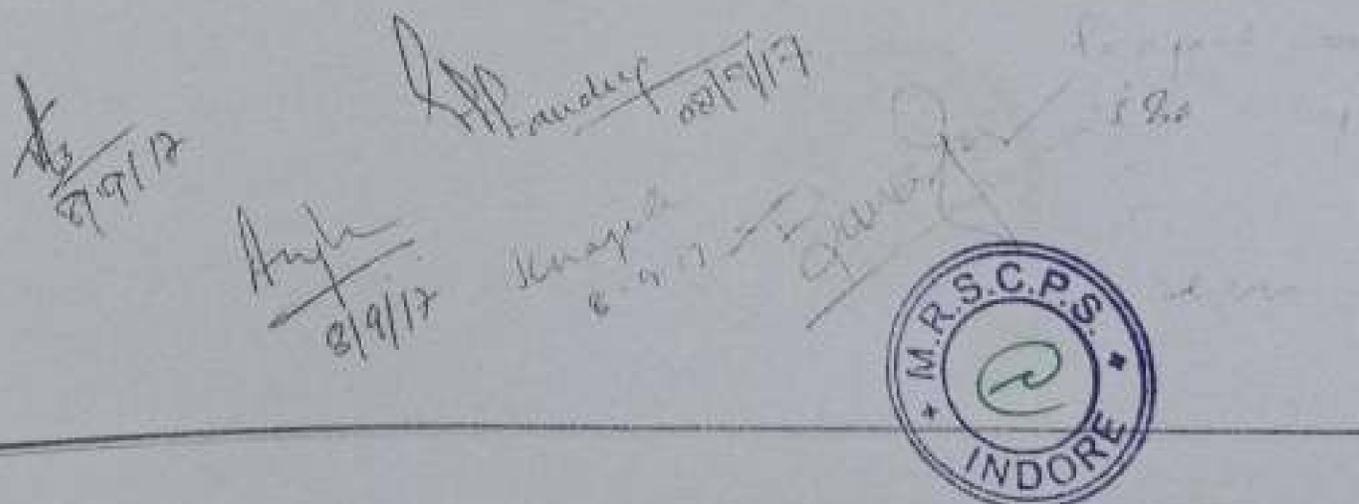
2017 onwards

Class	Title of the Paper	Distribution of Marks		
		Theory	Internals	Total
B.Sc. I Year	I- Introduction to Biochemistry, Cell Biology, Plant & Animal Diversity	40	10	50
	II- Environmental Biology, Genetics & Evolution	40	10	50
	Practical	-	-	50
	Total			150

Class	Title of the Paper	Distribution of Marks		
		Theory	Internals	Total
B.Sc. II Year	I- Morphology, Developmental Biology and Physiology of Angiosperms	40	10	50
	II- Morphology, Developmental Biology and Physiology of Mammals	40	10	50
	Practical	-	-	50
	Total			150

Class	Title of the Paper	Distribution of Marks		
		Theory	Internals	Total
B.Sc. III Year	I- Microbiology, Immunology and Animal Cell Culture	40	10	50
	II- Molecular Biology, Genetic Engineering and Plant Tissue Culture	40	10	50
	Practical	-	-	50
	Total			150

Scheme of Practical Examination in Each Class/year		
Total Marks- 50	1. Major exercise-1	12 Marks
Duration - 5 Hrs.	2. Major exercise-2	12 Marks
	3. Minor exercise	06 Marks
	4. Spotting	05 Marks
	5. Viva-Voce	05 Marks
	6. Practical record	05 Marks
	7. Project	05 Marks





Devi Ahilya Vishwavidyalaya, Indore

Syllabus for B.Sc. Part- I, II, III, Life Science (as one subject).

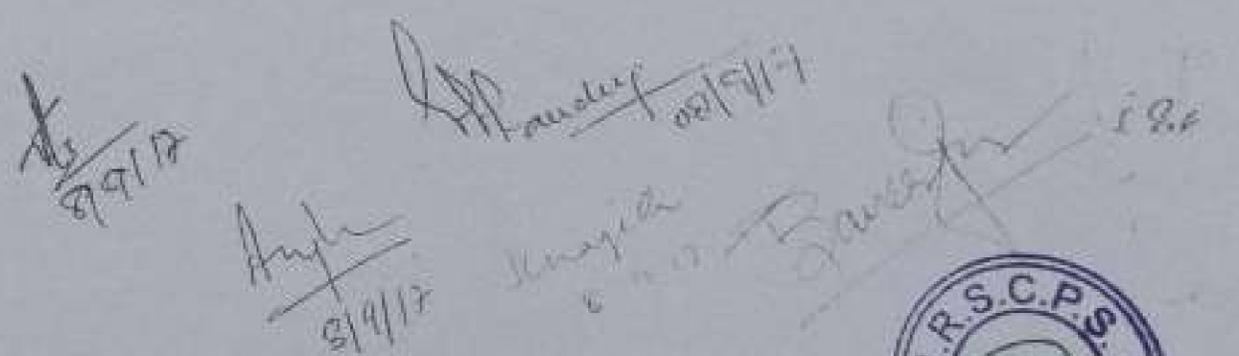
2017 onwards

Class	Title of the Paper	Distribution of Marks		
		Theory	Internals	Total
B.Sc. I Year	I- Introduction to Biochemistry, Cell Biology, Plant & Animal Diversity	40	10	50
	II- Environmental Biology, Genetics & Evolution	40	10	50
	Practical	-	-	50
	Total			150

Class	Title of the Paper	Distribution of Marks		
		Theory	Internals	Total
B.Sc. II Year	I- Morphology, Developmental Biology and Physiology of Angiosperms	40	10	50
	II- Morphology, Developmental Biology and Physiology of Mammals	40	10	50
	Practical	-	-	50
	Total			150

Class	Title of the Paper	Distribution of Marks		
		Theory	Internals	Total
B.Sc. III Year	I- Microbiology, Immunology and Animal Cell Culture	40	10	50
	II- Molecular Biology, Genetic Engineering and Plant Tissue Culture	40	10	50
	Practical	-	-	50
	Total			150

Scheme of Practical Examination in Each Class/year		
Total Marks- 50 Duration - 5 Hrs.	1. Major exercise-1	12 Marks
	2. Major exercise-2	12 Marks
	3. Minor exercise	06 Marks
	4. Spotting	05 Marks
	5. Viva-Voce	05 Marks
	6. Practical record	05 Marks
	7. Project	05 Marks



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Proposed Syllabus and Scheme

B.Sc. -III year Computer Science (HONS) Effective from 2019-20

Course Name	Theory		Total	Practical	Grand Total
	Internal	External			
B.Sc. - III year Computer Science (HONS)					
B.Sc. CS Hons: Database Management System	10	40	100	50	150
B.Sc. CS Hons. Operating System	10	40			
B.Sc. CS Hons(303H): JAVA Programming	10	40	50	50	100
B.Sc. CS Hons(304H): Computer Network	10	40	50	50	100
B.Sc. CS Hons(305H): Software Eng.	10	40	50	---	50
B.Sc. CS Hons(306H): (Minor Project)	---	---	---	50	50
B.Sc. CS Hons(307H): Major project using JAVA	---	---	---	100	100
				Total	550

→ Foundations

U.S.
Pravin Kumar Sharma
6/9/19
6/9/19
6/9/19
6/9/19

Note: Syllabus and scheme has to be submitted with foundation course, other computer science subjects and additional Hons. course.

Prof. Pravin Kumar Sharma, Maharaja Ranjitsingh College of Professional Sciences, Indore



DEVI AHILYA VISWAVIDYALAYA, INDORE, (M. P.)



SEMESTER WISE SCHEME
AND
SYLLABUS

FOR

BACHELOR OF COMPUTER APPLICATIONS (B.C.A.)

2018-19 ACADEMIC YEAR ONWARDS

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BCA Scheme Effective for Students admitted in July 2018



BCA – VI Semester Examination Scheme

Course	Theory Max. Marks		Practical Max. Marks	Max. Marks	Min. Marks
	Internal	External			
BCA – 601 Operations Research	10	40	.....	50	.....
BCA – 602 Internet and Web Technology using PHP	.....	50	.....	100	.....
BCA – 603 Computer Graphics and Multimedia	.....	50	.....	100	.....
BCA – 604 Principals and Practices of Management	10	40	.....	50	04-13
BCA – 605 Project	40	100	.....	140	.....
BCA – 606 Computer Graphics and Multimedia LAB	.....	.....	25	25	.....
BCA – 607 Practical on Internet and Web Technology using PHP	.....	.....	.....	.....	.....
Total Marks	60	240	50	.....	.....
Grand Total	.....	.....	.....	550	.....

Note: The examiner shall set one question from each part. The students will attempt any two sub-parts of a question. The question paper will be a balanced combination of analytical/theoretical questions.

BCA Scheme Effective for students admitted in July

