BHARATHIAR UNIVERSITY : COIMBATORE-641 046

B.Com. (Bachelor of Commerce)

(For the students admitted during the academic year 2010-11 and onwards)

SCHEME OF EXAMINATION – CBCS PATTERN

Part	Study Components	Course Title	Ins. hrs / week	Dur.Hr	CIA	Marks	Total	Credits
	SEMESTER –I							
I	Language-I		6	3	25	75	100	4
II	English-I		6	3	25	75	100	4
III	Core I – Principles of Accountancy		5	3	25	75	100	4
III	Core II–Business Organization & Office Management		5	3	25	75	100	4
III	Allied Paper I – Agricultural Economic of India		6	3	25	75	100	4
IV	Environmental Studies #		2	3	-	50	50	2
	SEMESTER –II							
I	Language-II		6	3	25	75	100	4
II	English-II		6	3	25	75	100	4
III	Core III – Financial Accounting		5	3	25	75	100	4
III	Core IV – Principles of Marketing		5	3	25	75	100	4
III	Allied Paper II – Economic Analysis		6	3	25	75	100	4
IV	Value Education – Human Rights #		2	3	-	50	50	2
	SEMESTER –III							
III	Core V – Higher Financial Accounting		7	3	25	75	100	4
III	Core VI – Commercial Law		6	3	25	75	100	4
III	Core VII – Principles of Management		6	3	25	75	100	4
III	Allied : III - Mathematics for Business		6	3	25	75	100	4
IV	Skill based Subject -1 : Business Application Software-I		3	3	20	55	75	3
IV	Tamil @ / Advanced Tamil # (or)Non-Major Elective–I Yoga for Human Excellence # / Women's Rights # Constitution of India #		2	3	50		50	2
	SEMESTER –IV							
III	Core VIII – Corporate Accounting-I		5	3	25	75	100	4
III	Core IX – Computer Applications in Business		4	3	25	75	100	4
III	Core X – Company Law and Secretarial Practice		4	3	25	75	100	4
III	Core XI – Executive Business Communication		3	3	20	55	75	3
III	Core XII – Banking Theory		3	3	20	55	75	3
III	Allied : IV : Statistics for Business		6	3	25	75	100	4
IV	Skill based Subject-2 : Computer Applications (MS-Word and MS-Excel)-Practical –I		3	3	30	45	75	3
IV	Tamil @ / Advanced Tamil # (or) Non-major elective -II : General Awareness #		2	3	50		50	2

	SEMESTER –V						
III	Core XIII –Corporate Accounting-II	6	3	25	75	100	4
III	Core XIV – Banking Law and Practices	5	3	25	75	100	4
III	Core XV – Cost Accounting	5	3	25	75	100	4
III	Core XVI – Income Tax Law and Practice	6	3	25	75	100	4
III	Elective –I :	5	3	25	75	100	4
IV	Skill based Subject-3 : Business Application Software-II	3	3	20	55	75	3
	SEMESTER –VI						
III	Core XVII – Management Accounting	6	3	25	75	100	4
III	Core XVIII - Principles of Auditing	5	3	25	75	100	4
III	Core XIX - Indirect Tax	6	3	25	75	100	4
III	Elective –II :	5	3	25	75	100	4
III	Elective–III :	5	3	25	75	100	4
IV	Skill based Subject-4 : Computer Applications : MS-PowerPoint, MS-Access and Tally 9.2 -Practical-II	3	3	30	45	75	3
V	Extension Activities @	-		50	-	50	2
	TOTAL					**3500**	**140**

$ Includes 25% / 40% continuous internal assessment marks for theory and practical papers respectively.

@   No University Examinations. Only Continuous Internal Assessment (CIA)

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

List of Elective Papers (Colleges can choose any one of the paper as electives)		
Elective – I	A	Business Finance
	B	Brand Management
	C	Fundamentals of Insurance
Elective – II	A	Entrepreneurial Development
	B	Supply Chain Management
	C	Principles of Web Designing
Elective - III	A	Financial Markets
	B	Insurance Legislative Framework
	C	Project Work

BHARATHIAR UNIVERSITY,COIMBATORE-641 046
B.Com – CA (Computer Applications)
(For the students admitted during the academic year 2015-16 and onwards)

SCHEME OF EXAMINATION – CBCS PATTERN

Part	Study Components	Course Title	Ins. hrs / week	Dur.Hrs	CIA	Mark	Total	Credits
		SEMESTER – I						
I	Language-I		6	3	25	75	100	4
II	English-I		6	3	25	75	100	4
III	Core I – Principles of Accountancy		4	3	25	75	100	4
III	Core II – Introduction to Information Technology		4	3	25	75	100	4
III	Allied PaperI : Mathematics for Business		4	3	25	75	100	4
III	Core-IV:Computer Applications: MS Office - Practical-I		4	3	-	-	-	-
IV	Environmental Studies #		2	3	-	50	50	2
		SEMESTER – II						
I	Language-II		6	3	25	75	100	4
II	English-II		6	3	25	75	100	4
III	Core III – Advanced Accounting		7	3	25	75	100	4
III	Core IV–Computer Application: MS Office - Practical-I		4	3	40	60	100	4
III	Allied Paper II – Statistics for Business		5	3	25	75	100	4
IV	Value Education – Human Rights #		2	3	-	50	50	2
		SEMESTER – III						
III	Core V – Principles of Marketing		5	3	25	75	100	4
III	Core VI – Database Management System		5	3	25	75	100	4
III	Core VII – Cost Accounting		6	3	25	75	100	4
III	Allied : III - Managerial Economics		5	3	25	75	100	4
III	Core-VIII : Computer Applications: Oracle -Practical-II		4	3	-	-	-	-
IV	Skill based Subject-1 : Commercial Law		3	3	20	55	75	3
IV	Tamil @ / Advanced Tamil #(or)Non-major Elective–I : Yoga for Human Excellence # / Women's Rights # Constitution of India #		2	3	50		50	**2**
		SEMESTER – IV						
III	Core IX – Management Accounting		6	3	25	75	100	4
III	Core X – Object Oriented Programme with C++		5	3	25	75	100	4
III	Core XI – Executive Business Communication		3	3	20	55	75	3
III	Core XII – Computer Applications : Oracle & C++ Practical-II		4	3	40	60	100	4
III	Core XIII – Banking Theory		3	3	20	55	75	3
III	Allied : IV : Principles of Management		4	3	25	75	100	4
IV	Skill based Subject-2 : Company Law		3	3	20	55	75	3
IV	Tamil @ /Advanced Tamil # (or) Non-major elective - II : General Awareness #		2	3	50		50	2

	SEMESTER – V						
III	Core XIV – Principles of Auditing	4	3	25	75	100	4
III	Core XV – Corporate Accounting	5	3	25	75	100	4
III	Core XVI – E-Commerce Technology	5	3	25	75	100	4
III	Core XVII – Software Development with Visual Basic	4	3	25	75	100	4
III	Core XVIII - Computer Applications : Visual Basic - Practical-III	4	3	-	-	-	-
III	Elective-I :	5	3	**25**	**75**	**100**	4
IV	Skill based Subject-3 : Banking and Insurance Law	3	3	20	55	75	3
	SEMESTER – VI						
III	Core XIX – Management Information System	6	3	25	75	100	4
III	Core XX - Internet and Web Designing	5	3	25	75	100	4
III	Core XXI - Computer Applications : Visual Basic &Web Designing Practical-III	4	3	**40**	**60**	100	4
III	Elective –II :	6	3	25	75	100	4
III	Elective –III :	6	3	**25/ 20**	**75/ 80**	100	4
IV	Skill based Subject- 4 : Cyber Law	3	3	20	55	75	3
V	Extension Activities @	-	-	-	-	50	2
	Total					**3500**	**140**

$ Includes 25% / 40% continuous internal assessment marks for theory and practical papers respectively.

@ No University Examinations. Only Continuous Internal Assessment (CIA)

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

List of Elective Papers (Colleges can choose any one of the paper as electives)		
Elective – I	A	Income Tax Law & Practice
	B	Entrepreneurial Development
	C	Micro Finance
Elective – II	A	Business Finance
	B	Brand Management
	C	Supply Chain Management
Elective – III	A	Indirect Taxes
	B	Financial Markets
	C	Project Work

BHARATHIAR UNIVERSITY,COIMBATORE-641 046
B.Com – PA (Professional Accounting)
(For the students admitted from the academic year 2016-17 and onwards)

SCHEME OF EXAMINATION – CBCS PATTERN

Part	Study Components	Course Title	Ins. hrs / week	Dur.Hrs	Exam CIA	Mark	Total	Credits
		SEMESTER – I						
I	Language-I		6	3	25	75	100	4
II	English-I		6	3	25	75	100	4
III	Core I – Principles of Accountancy		4	3	25	75	100	4
III	Core II – Introduction to Information Technology		4	3	25	75	100	4
III	Allied Paper I : Mathematics for Business		4	3	25	75	100	4
III	Core-IV: Computer Applications Practical-I (MS Office)		4	3	-	-	-	-
IV	Environmental Studies #		2	3	-	50	50	2
		SEMESTER – II						
I	Language-II		6	3	25	75	100	4
II	English-II		6	3	25	75	100	4
III	Core III – Mercantile Law		7	3	25	75	100	4
III	Core IV– Computer Application Practical-I (MS Office)		4	3	40	60	100	4
III	Allied Paper II – Statistics for Business		5	3	25	75	100	4
IV	Value Education – Human Rights #		2	3	-	50	50	2
		SEMESTER – III						
III	Core V –Industrial Law		5	3	25	75	100	4
III	Core VI – Strategic Management		5	3	25	75	100	4
III	Core VII – Cost Accounting		6	3	25	75	100	4
III	Allied : III - Managerial Economics		5	3	25	75	100	4
III	Core-VIII : Computer Applications Practical-II (Oracle)		4	3	-	-	-	-
IV	Skill based Subject-1: Principles of Marketing		3	3	20	55	75	3
IV	Tamil @ / Advanced Tamil # (or)Non-major elective–I : Yoga for Human Excellence # / Women's Rights # Constitution of India #		2	3	50		50	2
		SEMESTER – IV						
III	Core IX – Advanced Accounting-I		6	3	25	75	100	4
III	Core X – Management Accounting		6	3	25	75	100	4
III	Core XI – Executive Business Communication		5	3	**25**	**75**	**100**	4
III	Core XII – Computer Applications Practical-II (Oracle &C++)		4	3	40	60	100	4
III	Allied : IV Principles of Management		4	3	25	75	100	4
IV	Skill based Subject- 2 : Company Law		3	3	20	55	75	3
IV	Tamil @ /Advanced Tamil # (or) Non-major elective - II : General Awareness #		2	3	50		50	2

	SEMESTER – V						
III	Core XIII – Advanced Accounting-II	5	3	25	75	100	4
III	Core XIV – Auditing and Assurance- I	5	3	25	75	100	4
III	Core XV – Principles of Auditing	4	3	25	75	100	4
III	Core XVI –Direct Tax-I	5	3	20	55	75	**3**
III	Core XVII –Direct Tax-II	4	3	20	55	75	**3**
III	Elective-I :	4	3	25	75	100	**4**
IV	Skill based Subject-3 : Banking and Insurance Law	3	3	20	55	75	3
	SEMESTER – VI						
III	Core XVII – Corporate Accounting	6	3	25	75	100	4
III	Core XIX - Auditing and Assurance-II	5	3	25	75	100	4
III	Core XX - **Indirect Taxes**	4	3	25	75	100	4
III	Elective –II :	6	3	25	75	100	4
III	Elective –III :	6	3	25	75	100	4
IV	Skill based Subject-4 : Cyber Law	3	3	**20**	**55**	**75**	3
V	Extension Activities @	-	-	50	-	50	2
	Total					**3500**	**140**

$ Includes 25% / 40% continuous internal assessment marks for theory and practical papers respectively.
@ No University Examinations. Only Continuous Internal Assessment (CIA)
# No Continuous Internal Assessment (CIA). Only University Examinations.

List of Elective Papers (Colleges can choose any one of the paper as electives)		
Elective – I	A	Financial Management
	B	Entrepreneurial Development
	C	Micro Finance
Elective – II	A	Business Finance
	B	Brand Management
	C	Supply Chain Management
Elective – III	A	Investment Management
	B	Financial Markets
	C	Project Work & Viva-Voce

Note: The syllabus for the paper Indirect Taxes is furnished below. For remaining papers the existing syllabus is to be followed.

BHARATHIAR UNIVERSITY,COIMBATORE-641 046
M.Com. – CA (Computer Applications)
(For the students admitted from the academic year 2017-2018 and onwards)
SCHEME OF EXAMINATIONS : CBCS Pattern

Study Components	Course Title	Ins. hrs / week	Dur.Hrs	CIA	Marks	Total	Credits
Semester I							
Managerial Economics		6	3	25	75	100	4
Marketing Management		6	3	25	75	100	4
Database Management System		6	3	25	75	100	4
Computer Applications: MS Office & Oracle -Practical-I		6	3	40	60	100	4
Elective-I :		6	3	25	75	100	4
Semester-II							
Corporate Accounting		6	3	25	75	100	4
Human Resource Management		4	3	25	75	100	4
Business Research Methods		5	3	25	75	100	4
Object Oriented Programming with C++		5	3	25	75	100	4
Computer Applications: Tally & C++ -Practical-II		4	3	40	60	100	4
Elective-II :		6	3	25	75	100	4
Semester-III							
Cost and Management Accounting		6	3	25	75	100	4
Visual Basic		6	3	25	75	100	4
Financial Management		6	3	25	75	100	4
Computer Applications: Visual Basic,VB Script - Practical-III		6	3	40	60	100	4
Institutional Training (Report 40 marks and Viva 10 mks.)		-	-	50	-	50	2
Elective-III :		6	3	25	75	100	4
Semester-IV							
Investment Management		6	3	25	75	100	4
Direct Taxes		5	3	25	75	100	4
Java Programming and HTML		5	3	25	75	100	4
Project Work & Viva-Voce **(OR)** In lieu of Project work, the following two papers may be opted.		10	3	50	150 (100 Marks – Project and 50 Marks Viva-Voce)	200	8
1. Principles and Practice of Insurance 2. Industrial Law		5 5	3 3	25 25	75 75	(100) (100)	(4) (4)
Elective-IV		4	3	25	75	100	4
	TOTAL	-	-	-	-	**2250**	**90**

BHARATHIAR UNIVERSITY: COIMBATORE-641 046

B.Sc. CS/IT/CT/SS/MM/CSA &BCA

(For the students admitted from the academic year **2016-2017** and onwards)

SCHEME OF EXAMINATION - CBCS PATTERN

Part	Study components	Course Title	Ins. Hrs/week	Dur. Hrs.	CIA	Marks	Total Marks	Credit
				Examinations				
	Semester I							
I	Language – I		6	3	25	75	100	4
II	English – I		6	3	25	75	100	4
III	Core 1: Computing Fundamentals and C Programming		4	3	25	75	100	4
III	Core 2: Digital Fundamentals and Architecture		4	3	25	75	100	4
III	Core Lab 1: Programming Lab – C		3	3	40	60	100	4
III	Allied 1: &&		5	3	25	75	100	4
IV	Environmental Studies #		2	3	-	50	50	2
	Semester II							
I	Language – II		6	3	25	75	100	4
II	English – II		6	3	25	75	100	4
III	Core 3: C++ Programming		5	3	25	75	100	4
III	Core Lab 2: Programming Lab – C++		4	3	40	60	100	4
III	Core Lab 3: Internet Basics		2	3	20	30	50	2
III	Allied 2: &&		5	3	25	75	100	4
IV	Value Education – Human Rights #		2	3	-	50	50	2
	Semester III							
III	Core 4: Data Structures		6	3	25	75	100	4
III	Core 5: Java Programming		6	3	25	75	100	4
III	Core Lab 4: Programming Lab – Java		5	3	40	60	100	4
III	Allied 3: &&		6	3	25	75	100	4
IV	Skill based Subject 1 - &&		5	3	20	55	75	3
IV	Tamil @/ Advanced Tamil (OR) Non-major elective-1 (Yoga for Human Excellence)# / Women's Rights#		2	3	-	50	50	2
	Semester IV							
III	Core 6: System Software and Operating System		6	3	25	75	100	4
III	Core 7: Linux and Shell Programming		6	3	25	75	100	4
III	Core Lab 5: Linux and Shell Programming Lab		6	3	40	60	100	4
III	Allied 4: &&		6	3	25	75	100	4

IV	Skill based subject 2 (lab) &&	4	3	30	45	75	3
IV	Tamil @/ Advanced Tamil (OR) Non-major elective-II (General Awareness) #	2	3	-	50	50	2
	Semester V						
III	Core 8: RDBMS & Oracle	6	3	25	75	100	4
III	Core 9: Visual Basic	6	3	25	75	100	4
III	Core Lab 6: Programming Lab – VB & Oracle	6	3	40	60	100	4
III	Elective 1 &&	6	3	25	75	100	4
IV	Skill based Subject 3: &&	6	3	20	55	75	3
	Semester VI						
III	Core 10: Graphics & Multimedia	5	3	25	75	100	4
III	Core 11: Project Work Lab %%	5	3	-	200	200	8
III	Core Lab 7: Programming Lab – Graphics & Multimedia	6	3	40	60	100	4
III	Elective II &&	5	3	25	75	100	4
III	Elective III &&	5	3	25	75	100	4
IV	Skill based Subject 4 (lab) &&	4	3	30	45	75	3
V	Extension Activities	-	-	50	-	50	2
	Total					3500	140

@ No University Examinations. Only Continuous Internal Assessment (CIA)

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

%% **see Guidelines for Project Work.**

BHARATHIAR UNIVERSITY: COIMBATORE-641 046
B.Sc. CS/IT/CT/SS/MM/CSA &BCA
(For the students admitted from the academic year **2016-2017** and onwards)
SCHEME OF EXAMINATION - CBCS PATTERN

Course / Subject	B.Sc. COMPUTER SCIENCE
Allied-1	Mathematical Structures for Computer Science
Allied-2	Discrete Mathematics
Allied-3	Computer Based Optimization Techniques
Allied-4	Business Accounting
Elective- I	E-Learning / Computer Networks / Organizational Behavior
Elective- II	Network Security and Cryptography/ Artificial Intelligence and Expert Systems / Web Technology
Elective- III	Data Mining/ Open source software/Mastering LAN & Trouble Shooting
Skill-1	Software Engineering and Software Project Management
Skill-2 (lab)	Software Project Management- Lab
Skill-3	Software Testing
Skill-4 (lab)	Software Testing Lab

Course / Subject	B.Sc. INFORMATION TECHNOLOGY
Allied-1	Mathematical Structures for Computer Science
Allied-2	Discrete Mathematics
Allied-3	Microprocessor & ALP
Allied-4	Computer Networks

Elective- I	Soft Computing / Animation Techniques / Business Intelligence
Elective- II	Network Security and Administration/ Mobile Computing / Internet Programming
Elective- III	E-Learning / Component Technology / E-Commerce
Skill-1	Introduction to web design & Applications
Skill-2 (lab)	HTML, XML and JavaScript Lab
Skill-3	Dot Net Programming
Skill-4 (lab)	Dot Net Lab

Course / Subject	**B.Sc. COMPUTER TECHNOLOGY**
Allied-1	Mathematical Structures for Computer Science
Allied-2	Discrete Mathematics
Allied-3	Microprocessor & ALP
Allied-4	TCP/IP Protocols
Elective- I	Mobile Computing / Distributed Computing / Digital Image processing
Elective- II	Middleware Technologies / Animation Techniques / Computer Installation & Servicing
Elective- III	Data Mining / Embedded Systems / Computer aided Design and Manufacturing
Skill-1	Data Communication & Networks
Skill-2 (lab)	Network Lab
Skill-3	Network Security & Management
Skill-4 (lab)	Network Security Lab

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Course / Subject	**B.Sc. SOFTWAE SYSTEMS**
Allied-1	Mathematical Structures for Computer Science
Allied-2	Discrete Mathematics
Allied-3	Database Systems
Allied-4	Principles of Programming Languages
Elective- I	E-Commerce / Design and analysis of Algorithms / Web Technology
Elective- II	Computer Networks / Software Quality Assurance / Management Information Systems
Elective- III	Wireless Mobile Communications / Component Technologies / Mastering LAN & Troubleshooting
Skill-1	WAP & XML
Skill-2 (lab)	XML Lab
Skill-3	ASP .NET
Skill-4 (lab)	ASP .NET Lab

Course / Subject	**B.Sc. MULTIMEDIA & WEB TECHNOLOGY**
Allied-1	Mathematical Structures for Computer Science
Allied-2	Discrete Mathematics
Allied-3	Web Services
Allied-4	Digital Image Processing
Elective- I	Web Technology / Software Engineering / CASE Tools Concepts and applications
Elective- II	Flash / Distributed Computing / Multimedia Systems
Elective- III	3DS MAX Animation / Software Project Management / Organizational Behaviour

Skill-1	Introduction to PHP Programming
Skill-2 (lab)	PHP Programming Lab
Skill-3	Animation Techniques
Skill-4 (lab)	Animation Lab - Flash

Course / Subject	**B.Sc. COMPUTER SCIENCE & APPLICATIONS**
Allied-1	Mathematical Structures for Computer Science
Allied-2	Discrete Mathematics
Allied-3	Management Information Systems
Allied-4	Organizational Behaviour
Elective- I	Client/Server Computing / E-Commerce / Software Engineering
Elective- II	Network Security & Cryptography / Distributed Computing / Computer Networks
Elective- III	Mobile Computing / Web Technology / Software Testing
Skill-1	Internet Programming
Skill-2 (lab)	PHP Programming Lab
Skill-3	Web designing with ASP and ASP .NET
Skill-4 (lab)	ASP Lab

Course / Subject	**BCA**
Allied-1	Mathematical Structures for Computer Science
Allied-2	Discrete Mathematics
Allied-3	Computer Based Optimization Techniques

Allied-4	Business Accounting
Elective- I	Introduction to Compiler Design / PHP & Scripting Language / Digital Image Processing
Elective- II	Computer Networks / Dot Net programming / Distributed Computing
Elective- III	E-Commerce / Web Services / Software Testing
Skill-1	Web Programming
Skill-2 (lab)	Web Programming Lab
Skill-3	CASE Tools Concepts and Applications
Skill-4 (lab)	CASE Tools Lab

BHARATHIAR UNIVERSITY, COIMBATORE.

M. Sc. COMPUTER SCIENCE *(Affiliated Colleges)*
(Effective for the candidates admitted from the academic Year 2015-2016)

SCHEME OF EXAMINATIONS – CBCS PATTERN

Sem.	Study Components	Course title	Ins. hrs/ week	Exam Dur.	CIA	Mark	Total Mark	Credit
	Semester I							
	Paper I Analysis & Design of Algorithms		5	3	25	75	100	4
	Paper II Object Oriented Analysis and Design & C++		5	3	25	75	100	4
	Paper III Advanced Networks		5	3	25	75	100	4
	Paper IV Advanced Software Engineering		5	3	25	75	100	4
	Practical I Algorithm and OOPS Lab		5	3	40	60	100	4
	Practical II Software Testing Lab		5	3	40	60	100	4
II	Paper V Data Mining and Warehousing		4	3	25	75	100	4
	Paper VI Advanced Operating Systems		4	3	25	75	100	4
	Paper VII Internet and Java Programming		4	3	25	75	100	4
	PaperVIII Artificial Intelligence & Expert Systems		4	3	25	75	100	4
	Elective – I		4	3	25	75	100	4
	Practical III Advanced Concept of Internet & Java Programming Lab		5	3	40	60	100	4
	Practical IV Data Mining using R		5	3	40	60	100	4
III	Paper IX Digital Image Processing		4	3	25	75	100	4
	Paper X Advanced Tools in Computing		4	3	25	75	100	4
	Paper XI Network Security and Cryptography		4	3	25	75	100	4
	Paper XII Business Intelligence		4	3	25	75	100	4
	Elective – II		4	3	25	75	100	4
	Practical V Advanced Tools in Computing Lab		5	3	40	60	100	4
	Practical VI Digital Image processing using matlab		5	3	40	60	100	4
IV	Project work and Viva voce						250*	10
	Total						2250	90

* Project report - 200 marks; Viva-voce – 50 marks

ELECTIVE – I.	ELECTIVE – II
1.1. Multimedia and its Applications	2.1. Mobile Computing
1.2. Embedded Systems	2.2.Cloud computing
1.3. Open source systems	2.3.Web Services

BHARATHIAR UNIVERSITY, COIMBATORE.
MASTER OF COMPUTER APPLICATIONS (MCA) DEGREE COURSE
(Affiliated Colleges - **Effective from the Academic Year 2016-2017)**

REVISED SCHEME OF EXAMINATIONS – CBCS PATTERN

Semester	Study Components	Course title	Ins. hrs/ week	Dur.	CIA	Marks	Total Marks	Credit
				Examinations				
I		Paper I : Introduction to Information Technology	4	3	25	75	100	3
		Paper II : Computer Organization and Architecture	4	3	25	75	100	3
		Paper III : Problem Solving in C	4	3	25	75	100	4
		Paper IV : Accounting and Financial Management	4	3	25	75	100	3
		Paper V : Web Designing	4	3	25	75	100	4
		Practical I : Problem Solving using C Lab	5	3	40	60	100	4
		Practical II : Web Designing Lab	5	3	40	60	100	4
II		Paper VI : Data Structures	4	3	25	75	100	3
		Paper VII : Relational Database Management Systems	4	3	25	75	100	4
		Paper VIII : Operating Systems	4	3	25	75	100	3
		Paper IX : Object Oriented Analysis and Design & C++	4	3	25	75	100	4
		Paper X : Mathematical Foundations of Computer Science	4	3	25	75	100	3
		Practical III : Data Structures Lab Using C++	5	3	40	60	100	4
		Practical IV : RDBMS Lab	5	3	40	60	100	4
III		Paper XI : Visual Programming	4	3	25	75	100	4
		Paper XII : Java Programming	4	3	25	75	100	4
		Paper XIII : Analysis & Design of Information Systems	4	3	25	75	100	3
		Paper XIV: Computer Networks	4	3	25	75	100	3
		Paper XV : Operations Research	4	3	25	75	100	3
		Practical V : Visual Programming Lab	5	3	40	60	100	4
		Practical VI : Java Programming Lab	5	3	40	60	100	4

IV	Paper XVI : .NET Programming	4	3	25	75	100	4
	Paper XVII : Computer Graphics and Multimedia	4	3	25	75	100	4
	Paper XVIII **: Software Project Management**	4	3	25	75	100	3
	Paper XIX : Elective – I	4	3	25	75	100	3
	Paper XX : Elective – II	4	3	25	75	100	3
	Practical VII : .NET programming Lab	5	3	40	60	100	4
	Practical VIII : Graphics and Multimedia Lab	5	3	40	60	100	4
V	Paper XXI : Software Testing	4	3	25	75	100	4
	Paper XXII : Network Security and Cryptography	4	3	25	75	100	3
	Paper XXIII : Data Mining and Warehousing	4	3	25	75	100	3
	Paper XIV : Elective – III	4	3	25	75	100	3
	Paper XXV : Elective – IV	4	3	25	75	100	3
	Practical IX : Mini Project	5	-	-	-	100*	5
	Practical X : Software Testing Lab	5	3	40	60	100	4
VI	Project work and Viva voce					200**	10
	Total					**3700**	**135**

* Project report - 80 marks; Viva-voce – 20 marks
** Project report - 160 marks; Viva-voce – 40 marks

ELECTIVE – I
E.1.1. Client Server Technology
E.1.2. Digital Image Processing
E.1.3. Open Source System

ELECTIVE – II
E.2.1. Mobile computing
E.2.2. Distributed Computing
E.2.3. Cloud Computing

ELECTIVE – III
E.3.1. Web Services
E.3.2. Middleware Technologies
E.3.3. Neural Networks
E.3.4. Parallel Processing

ELECTIVE – IV
E.4.1. E-Commerce
E.4.2. Embedded systems
E.4.3. Information Retrieval Techniques
E.4.4. Big Data Analysis

Note : 1. **In semester IV Paper XVIII Software Engineering is replaced by Software Project Management**
2. **One more elective is included in Elective III Parallel Processing and Elective IV Big Data Analysis**
3. **The syllabi of the above papers are furnished below be followed and the syllabi of remaining papers be the same as prescribed for the academic year 2014-15.**

BHARATHIAR UNIVERSITY (CBSC PATTERN)
B. Sc. BIOCHEMISTRY DEGREE COURSE
For the students admitted during the academic year 2017– 2018 batch and onwards

REVISED SCHEME OF EXAMINATION - CBCS PATTERN

Part	Study Components	Course title	Ins. hrs/ week	Dur.Hrs	CIA	Marks	Total Marks	Credit
	Semester I							
I	Language – I		6	3	25	75	100	4
II	English – I		6	3	25	75	100	4
III	Core Paper I - Biomolecules		3	3	25	75	100	4
	Core Paper II - Cell Biology		3	3	25	75	100	4
	Core Biochemistry Practical – I		2	-	-	-	-	-
	Allied A : Paper I – Chemistry		6	3	20	55	75	3
	Allied Chemistry Practicals		2	3	-	-	-	-
IV	Environmental Studies #		2	3	-	50	50	2
	Semester II							
I	Language – II		6	3	25	75	100	4
II	English – II		6	3	25	75	100	4
III	Core Paper III - Biomedical Instrumentations		5	3	25	75	100	4
	Core Biochemistry Practical – I		3	3	40	60	100	4
	Allied A : Paper II - Chemistry		6	3	20	55	75	3
	Allied Practical – Chemistry		2	3	20	30	50	2
IV	Value Education – Human Rights #		2	3	-	50	50	2
	Semester III							
I	Language – III		6	3	25	75	100	4
II	English – III		6	3	25	75	100	4
III	Core Paper IV - Enzyme and Enzyme Technology		3	3	25	75	100	4
	Core Paper V – Microbiology		3	3	25	75	100	4
	Core Biochemistry Practical - II		2	-	-	-	-	-
	Allied B: Paper I – Basic Mathematics		6	3	20	55	75	3
IV	Skill based Subject I – Bioinformatics and Medical coding		2	3	20	55	75	3

	Tamil @ / Advanced Tamil# (OR) Non-major elective - I (Yoga for Human Excellence)# / Women's Rights#	2	3	50		50	2
	Semester IV						
I	Language – IV	6	3	25	75	100	4
II	English – IV	6	3	25	75	100	4
III	Core Paper IV – Intermediary Metabolism	4	3	25	75	100	4
	Core Biochemistry Practical – II	3	6	30	45	75	3
	Allied B : Paper II – Computer	4	3	20	55	75	3
	Practical – Computer	2	3	20	30	50	2
IV	Skill based Subject 2 - Basics of Information Technology	3	3	20	55	75	3
	Tamil @ /Advanced Tamil # (OR) Non-major elective -II (General Awareness #)	2	3	50		50	2
	Semester V						
III	Core Paper VII – Human Physiology	4	3	25	75	100	4
	Core Paper VIII – Clinical Biochemistry	4	3	25	75	100	4
	Core Paper IX – Molecular Biology	4	3	25	75	100	4
	Core Paper X – Genetic Engineering and Bioprocess Technology	3	3	25	75	100	4
	Biochemistry Practical – III	4	-	-	-	-	-
	Biochemistry Practical - IV	4	-	-	-	-	-
	Elective – I	4	3	20	55	75	3
IV	Skill based Subject 3 – Basics of Patent and Bioethics	3	3	20	55	75	3
	Semester VI						
III	Core Paper XI – Plant Biochemistry and Plant Therapeutics	4	3	25	75	100	4
	Core Paper XII – Medicinal Chemistry	4	3	25	75	100	4
	Biochemistry Practical – III	4	6	30	45	75	3
	Biochemistry Practical – IV	4	6	30	45	75	3
	Elective – II	4	3	20	55	75	3
	Elective – III	4	3	20	55	75	3
IV	Skill Based Subject 4 - Practical – Bioinformatics	6	6	30	45	75	3
V	Extension Activities @	-	-	50	-	50	2
	Total					3500	140

@ No University Examinations. Only Continuous Internal Assessment (CIA)
#   No Continuous Internal Assessment (CIA). Only University Examinations.

List of Elective papers (Colleges can choose any one of the papers as electives)		
Elective - I	A	Immunology and Immunotechniques
	B	Introduction to Biomaterials
	C	Nutritional Biochemistry
Elective - II	A	Plant and Animal Biotechnology
	B	Nanomaterials and Nanomedicine

	C	Health and Hygiene
	A	Diagnostic Biochemistry
Elective - III	B	Sports Biochemistry
	C	Nanobiotechnology

Note :

- **Semester III skill based subject I: Bioinformatics is changed to Bioinformatics and medical coding with effect from 2017-18 and onwards.**
- **There is modification in the syllabi of Biomolecules,Microbiology, Bioinformatics and Enzyme and enzyme technology. The syllabus of other papers are similar to that of the papers followed for 2016-17 batch.**

BHARATHIAR UNIVERSITY, COIMBATORE.
M. Sc., BIOCHEMISTRY DEGREE COURSE
(Effective from the academic Year 2017-2018 onwards)
REVISED SCHEME OF EXAMINATIONS – CBCS PATTERN*(AFFILIATED COLLEGES)*

SEM	Subject and Paper	Inst. Hrs/ week	Examinations				Credit
			Dur.Hr	CIA	Marks	Total Mark	
I	Paper-I Biopolymers	5	3	25	75	100	4
	Paper-II Analytical Biochemistry and Bioinformatics	5	3	25	75	100	4
	Paper-III Enzymes and Enzyme Technology	4	3	25	75	100	4
	Paper-IV Cellular Biochemistry	4	3	25	75	100	4
	Paper-V Plant Biochemistry and Biotechnology	4	3	25	75	100	4
	Practical-I Core Biochemistry Practical-I	5	-	-	-	-	-
	Elective – Paper I	3	3	25	75	100	4
II	Paper-VI Microbial Biochemistry	5	3	25	75	100	4
	Paper-VII Immunology	5	3	25	75	100	4
	Paper-VIII Advanced Clinical Biochemistry	5	3	25	75	100	4
	Paper-IX Molecular Biology	5	3	25	75	100	4
	Practical-I Core Biochemistry Practical-I	5	6	40	60	100	4
	Elective – Paper II	5	3	25	75	100	4
	Summer Training	-	-	-	-	-	-
III	Paper-X Biostatistics and Research Methodology	5	3	25	75	100	4
	Paper-XI Metabolism and Metabolic Regulation	4	3	25	75	100	4
	Paper-XII Genetic Engineering	5	3	25	75	100	4
	Paper-XIII Endocrinology	4	3	25	75	100	4
	Paper-XIV Pharmaceutical Chemistry and Neurochemistry	5	3	25	75	100	4
	Practical –II Core Biochemistry Practical-II	4	-	-	-	-	-
	Elective – Paper III	3	3	25	75	100	4
	Summer Training @	-	-	25	-	25	1
IV	Practical-II Core Biochemistry Practical-II	5	6	40	60	100	4
	Project Work	20	6	100	100	200*	8
	Elective – Practical/ Project	5	6	40	60	100*	4
	Industrial visit @	-	-	25	-	25	1
	Total					2250	90

*   For Project report - 80%; Viva-voce - 20% [Assessment of Internal marks should be based on Monthly assessment and report by the concerned guide and HOD]

*   Includes 25 / 40% continuous internal assessment marks for theory and practical papers respectively.

@ No University Examinations. Only Continuous Internal Assessment (CIA)

List of Group Elective papers (Colleges can choose any one of the Group papers as electives)

Paper / Sem	GROUP A Elective - Cell Culture and Molecular Techniques	GROUP B Elective - Computational Molecular Biology	GROUP C Elective – Nanoscience
I	Plant Tissue Culture	Computational Molecular Biology	Fundamentals of Nanoscale Science
II	Animal Tissue Culture	Genomics	Nanomaterials Synthesis
III	Methods in Molecular Biology	Proteomics	Characterization and Application of Nano Materials
IV	Elective Practical	Elective Practical	Elective Project work

Note : **The syllabi for the following papers furnished below be followed and there is no change in the syllabi of remaining papers.**

Semester I Paper IV – Cellular Biochemistry, Semester III Paper X - Biostatistics and Research Methodology and Paper XIV – Pharmaceutical Chemistry and Neurochemistry

Semester II- PAPER-VIII ADVANCED CLINICAL BIOCHEMISTRY
Sem.IV:CORE BIOCHEMISTRY PRACTICALS – II
and ELECTIVE GROUP A : PAPER I PLANT TISSUE CULTURE

BHARATHIAR UNIVERSITY, COIMBATORE:641 046

B.Sc. MICROBIOLOGY DEGREE COURSE

SCHEME OF EXAMINATION (revised) CBCS PATTERN

(AFFILIATED COLLEGES)

(For the students admitted from the academic year 2017 – 2018 batch onwards)

Part	Course title	Subject Code	Ins. hrs/ week	Dur.Hrs.	CIA	Marks	Total Marks	Credit
	Semester I							
I	Language – I	11T/M/H/F	6	3	25	75	100	4
II	English – I	12E	6	3	25	75	100	4
II	Core Paper I - Fundamentals of Microbiology	13A	6	3	25	75	100	4
	Practical I and Viva Voce	23P	4	-	-	-	-	-
	Allied A : Paper I – Biostatistics and Computer Applications I	1AB	4	3	20	55	75	3
	Allied Practical	2PB	2	-	-	-	-	-
IV	Environmental Studies #	1FA	2	-	-	50	50	2
	Semester II							
I	Language – II	21T/M/H/F	6	3	25	75	100	4
II	English – II	22E	6	3	25	75	100	4
III	Core Paper II – Analytical Microbiology	23A	4	3	25	75	100	4
	Core Paper III - General Biology	23B	3	3	25	75	100	4
	Core Practical I	23P	3	6	30	45	75	3
	Allied A : Paper II - Biostatistics and Computer Applications II	2AB	4	3	20	55	75	3
	Allied Practical	2PB	2	3	20	30	50	2
IV	Value Education – Human Rights #	2FB	2	3	-	50	50	2
	Semester III							
I	Language – III	31T/M/H/F	6	3	25	75	100	4
II	English – III	32E	6	3	25	75	100	4
III	Core Paper IV - Microbial Diversity	33A	4	3	25	75	100	4
	Core Practical II	43P	3	-	-	-	-	-
	Allied B: Paper I – Biochemistry I/Zoology I	3AC	4	-	20	55	75	3
	Allied Practical	43Q	2	-	-	-	-	-
IV	Skill based Subject I – Clinical Laboratory Technology	3ZA	3	3	20	55	75	3
	Tamil @ / Advanced Tamil# (OR) Non-major elective I (Yoga for Human Excellence) # / Women's Rights #	3FA	2	3	50		50	2

	Semester IV							
I	Language – IV	41T/M/H/F	6	3	25	75	100	4
II	English – IV	42E	6	3	25	75	100	4
III	Core Paper V –Microbial Physiology	43A	4	3	25	75	100	4
	Core Practical – II	43P	3	6	30	45	75	3
	Allied B : Paper II – Biochemistry II/Zoology II	4AC	4	3	20	55	75	3
	Allied Practical	43Q	2	3	20	30	50	2
IV	Skill based Subject 2 - Diagnostic Microbiology I (Bacteriology and Serology)	4ZB	3	3	20	55	75	3
	Tamil @ /Advanced Tamil # (OR) Non-major elective -II (General Awareness #)	4FA	2	3	50		50	2
	Semester V							
III	Core Paper VI - Microbial Genetics	53A	5	3	25	75	100	4
	Core Paper VII – Principles of Immunology	53B	5	3	25	75	100	4
	Core Paper VIII– Food Microbiology	53C	4	3	25	75	100	4
	Core Paper IX–Medical Microbiology	53D	4	3	25	75	100	4
	Elective 1		4	3	25	75	100	4
	Core Practical – III	63P	5	3	-	-	-	-
IV	Skill based Subject 3 – Diagnostic Microbiology II (Virology and Mycology, Parasitology)	5ZC	3	3	20	55	75	3
	Semester VI							
III	Core Paper X – Industrial Microbiology	63A	4	3	25	75	100	4
	Core Paper XI – Environmental and Agricultural Microbiology	63B	4	3	25	75	100	4
	Core Paper XII – Virology	63C	4	3	25	75	100	4
	Core Practical – III	63P	6	9	40	60	100	4
	Elective – II		4	3	25	75	100	4
	Elective – III		4	3	25	75	100	4
IV	Skill Based Subject 4 - Diagnostic Microbiology – Practical	6ZP	4	6	30	45	75	3
V	Extension Activities @	67A	-	-	-	-	50	2
	Total						3500	140

Students should undergo an institutional training for a continuous period of 15 days before semester VI

@   No University Examinations. Only Continuous Internal Assessment (CIA)

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

List of Elective papers (Colleges can choose any one of the paper as electives)		
Elective – I	**A**	Recombinant DNA Technology - I
	B	Applied Plant Biology
	C	Entomology
Elective – II	**A**	Recombinant DNA Technology – II
	B	Enterpreneurial Microbiology
	C	Bio-Molecules
Elective - III	**A**	Dairy Microbiology
	B	Bionanotechnology
	C	Medical Biochemistry

Note: In semester V the title of the Core paper IX Recombinant DNA Technology has been changed as Medical Microbiology.

BHARATHIAR UNIVERSITY,
COIMBTORE: 641 046
M.Sc. MICROBIOLOGY SCHEME OF EXAMINATION (CBCS PATTERN)
(For the students admitted during the academic year 2017-2018 Batch onwards)

Study Compon ents	Course Title	Sub. code	Inst Hrs/ Week	Exam Dur (hrs)	Max Marks CIA	Univ exam	Total	Credit
SEMESTER I								
Paper I	Fundamentals of Microbiology	13A	5	3	25	75	100	4
Paper II	Microbial Physiology and Biochemistry	13B	5	3	25	75	100	4
Paper III	Applied Biotechniques	13C	5	3	25	75	100	4
Paper IV	Environmental and Agricultural Microbiology	13D	5	3	25	75	100	4
Practical	Practical I	23P	5	-	-	-	-	-
Elective	Paper I	1EA	5	3	25	75	100	4
SEMESTER II								
Paper V	Molecular Genetics	23A	5	3	25	75	100	4
Paper VI	Microbial Food Technology	23B	5	3	25	75	100	4
Paper VII	Bioprocess Technology	23C	5	3	25	75	100	4
Paper VIII	Gene Manipulation and Bioinformatics	23D	5	3	25	75	100	4
Practical	Practical I	23P	-	9	40	60	100	4
Practical	Practical II	23Q	5	9	40	60	100	4
Elective	Paper II	2EA	5	3	25	75	100	4
SEMESTER III								
Paper IX	Immunology and Immunotechnology	33A	5	3	25	75	100	4
Paper X	Medical Microbiology	33B	5	3	25	75	100	4
Paper XI	Biotechnology and IPR	33C	5	3	25	75	100	4

Paper XII	Bionanotechnology	33D	5	3	25	75	100	4
Paper XIII	Biostatistics and Research Methodology	33E	5	3	25	75	100	4
Practical	Practical III	43P	5	-	-	-	-	-
SEMESTER IV								
Elective	Paper III	4EA	4	3	25	75	100	4
Practical	Practical III	43P	5	9	40	60	100	4
Project	Project and viva-voce	47V	16*	-	-	-	200*	8
Training	Industrial training and viva- voce @	47A	-	-	-	-	50*	2
Elective	Paper IV -Practical	4EP	5	9	40	60	100	4
	TOTAL						**2250**	**90**

* Project Report – 160 Marks, Viva voce- 40 Marks * Students should undergo an institutional/industrial training relevant to any one of theory paper for a continuous period of 15 days before semester IV and submit report along with attendance certificate.

*16 hrs should be allotted for project guidance to the respective guides as per the University norms. 16 hrs of project guidance should be considered equivalent to 8 hrs of teaching while calculating work load of respective guides.

*Training Report – 40 Marks, Viva voce- 10 Marks. @ No University Examinations. Only Continuous Internal Assessment (CIA).

List of Group Elective papers (Colleges can choose any one of the Group papers as electives)

	GROUP A	GROUP B	GROUP C
Paper I/Sem I	Principles of Quality Assuarance	Environment and Health	Basic Biological Sciences
Paper II/Sem II	Quality Assessment in Pharmaceuticals	Communicable and Noncommunicable diseases	Biophysics and Biochemistry
Paper III/Sem IV	Total Quality Management (TQM)	Health care of the community	Molecular Cytology and Tissue Engineering
Paper IV/Sem IV	Practical	Practical	Practical

Guidelines for the Project Work:

Two reviews to be conducted with all the students & staff members in the month of Jan. & Feb. 2 nd review if necessary an external expert may be called.

B.B.A – C.A (Computer Applications)

Part	Study Components	Course Title	Ins. Hrs / Week	Dur.Hrs.	CIA	Marks	Total Marks	Credit
							Examination	
	SEMESTER –I							
I	Language-I		6	3	25	75	100	4
II	English-I		6	3	25	75	100	4
III	Core I – Principles of Management		5	3	25	75	100	4
III	Core II – Basics of Business and Business Environment		5	3	20	55	75	3
III	Allied Paper I : Mathematics for Management –I		6	3	25	75	100	4
IV	Environmental Studies #		2	-	-	50	50	2
	SEMESTER –II							
I	Language-II		6	3	25	75	100	4
II	English-II		6	3	25	75	100	4
III	Core III – OrganisationalBehaviour		5	3	20	55	75	3
III	Core IV – Economics for Executives		6	3	25	75	100	4
III	Allied Paper II : Mathematics for Management –II		5	3	25	75	100	4
IV	Value Education – Human Rights #		2	-	-	50	50	2
	SEMESTER –III							
III	Core V – Financial Accounting		5	3	25	75	100	4
III	Core VI – Production and Materials Management		5	3	25	75	100	4
III	Core VII – Marketing Management		5	3	25	75	100	4
III	Core VIII: PC Software (MS Office) - Practical		5	3	30	45	75	3
III	Allied Paper III– Business Law		5	3	25	75	100	4
IV	Skill based Subject -1 : Communication Skills I ^		3	3	30	45	75	3
IV	Tamil @ /Advanced Tamil # (or) Non-major elective-I : Yoga for Human Excellence # / Women's Rights # Constitution of India #		2	3	50		50	2
	SEMESTER –IV							
III	Core IX – Human Resource Management		5	3	25	75	100	4
III	Core X – Financial Management		5	3	25	75	100	4
III	Core XI: Financial Accounting Package -Tally (Practical only)		5	3	30	45	75	3
III	Core XII – Management Information System		5	3	25	75	100	4
III	Allied Paper IV– Taxation Law and Practice		5	3	25	75	100	4
IV	Skill based Subject -2 : Communication Skills II ^		3	3	30	45	75	3
IV	Tamil @ / Advanced Tamil # (or) Non-major elective -II : General Awareness #		2	3	50		50	2

B.B.A – C.A (Computer Applications)

	SEMESTER –V						
III	Core XIII – Cost & Management Accounting	6	3	25	75	100	4
III	Core XIV – Research Methods for Management	5	3	25	75	100	4
III	Core XV– Business Correspondence	5	3	25	75	100	4
III	Core XVI – Internet and Web Page Design (Theory)	3	3	10	40	50	2
III	Core XVII – Internet Web Page Design Programming Laboratory (Practical)	3	3	20	30	50	2
III	Skill Enhancer: Institutional Training ^	-	-	10	40	50	2
III	Elective –I :	5	3	25	75	100	4
IV	Skill based Subject -3 : Campus to Corporate ^	3	3	30	45	75	3
	SEMESTER –VI						
III	Core XVIII –Entrepreneurship & Small Business Management	6	3	25	75	100	4
III	Core XIX –RDBMS & Oracle Programming	3	3	10	40	50	2
III	Core XX –RDBMS & Oracle Programming - Practical	3	3	20	30	50	2
III	Core XXI – Services Marketing	5	3	25	75	100	4
III	Elective –II :	5	3	25	75	100	4
III	Elective –III :	5	3	25	75	100	4
IV	Skill based Subject -4 : Soft Skills for Business ^	3	3	30	45	75	3
V	Extension Activities @	-	-	50	-	50	2
	TOTAL	-	-	-	-	3500	140

^ Refer the detailed note on this curricular aspect

@ No University Examinations. Only Continuous Internal Assessment (CIA)
University Examination – Refer the detailed note on this curricular component.

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

List of Elective papers **(Colleges can choose any one of the paper as electives)**		
Elective – I	**A**	Insurance Principles and Practice
	B	Modern Office Management
	C	Intellectual Property Rights.
	D	Introduction to ERP
Elective – II	**A**	Strategic Management
	B	Industrial Relations and Labour Laws
	C	Advertising and Sales Promotion.
	D	Visual Basic Theory
Elective - III	**A**	E - Commerce
	B	Project Work & Viva-Voce
	C	Financial Services
	D	Multimedia

Project Work & Viva-Voce

Project Work-50 Marks (25 Marks for Internal and 25 Marks for External) & Viva Voce-50 marks (External) :(25 marks for Internal Assessment & 75 marks for External Assessment)

BHARATHIAR UNIVERSITY: COIMBATORE 641 046
B.B.A (Business Process Management)
(For the students admitted from the academic year 2017-18 and onwards)

SCHEME OF EXAMINATIONS – CBCS PATTERN

Part	Study Components	Course Title	Ins Hr/ Week	DurHrs	CIA Marks	Marks	Total Marks	Credits
							Examinations	
	SEMESTER- I							
I	Language – I		6	3	25	75	100	4
II	English – I		6	3	25	75	100	4
III	Core I: Principles of Management		5	3	25	75	100	4
III	Core II: Business Economics		5	3	20	55	75	3
III	Allied I : Mathematics for Management – I		6	3	25	75	100	4
IV	Environmental Studies#		2	-	-	50	50	2
	SEMESTER- II							
I	Language – II		6	3	25	75	100	4
II	English – II		6	3	25	75	100	4
III	Core III: Human Resource Management		5	3	20	55	75	3
III	Core IV: Business Law		6	3	25	75	100	4
III	Allied II: Mathematics for Management – II		5	3	25	75	100	4
IV	Value Education – Human Rights#		2	-	-	50	50	2
	SEMESTER- III							
III	Core V: Business Correspondence		5	3	25	75	100	4
III	Core VI: Financial Accounting		5	3	25	75	100	4
III	Core VII: Basics of Business Process Services		5	3	25	75	100	4
III	Core VIII: Insurance for Business Process Services		5	3	25	75	100	4
III	Allied III: PC – Software (MS OFFICE) - Practical		5	3	30	45	75	3
IV	Skill based subject - 1: Communication Skills I^		3	3	30	45	75	3
IV	Basic Tamil@/Advanced Tamil#/Yoga for Human Excellence#		2	-	-	50	50	2
	SEMESTER- IV							
III	Core IX: Marketing Management		5	3	25	75	100	4
III	Core X: Financial Management		5	3	25	75	100	4
III	Core XI: Finance and Accounting for Business Services		5	3	20	55	75	3
III	Core XII: Banking for Business Process Services		5	3	25	75	100	4
III	Allied IV: Taxation – Law and Practice		5	3	25	75	100	4
IV	Skill based subject - 2: Communication Skills II^		3	3	30	45	75	3
IV	Basic Tamil@/Advanced Tamil#/ General Awareness#		2	-	-	50	50	2

	SEMESTER- V						
III	Core XIII: Research Methods for Management	5	3	25	75	100	4
III	Core XIV: Cost and Management Accounting	5	3	25	75	100	4
III	Core XV: Managing Business Process Services	5	3	25	75	100	4
III	Core XVI: Retail Supply Chain Management	5	3	25	75	100	4
III	Elective I :	5	3	25	75	100	4
III	Skill Enhancer: Institutional Training^	-	-	10	40	50	2
IV	Skill based subject - 3: Campus to Corporate	3	3	30	45	75	3
	SEMESTER- VI						
III	Core XVII: Entrepreneurship and Small Business Management	5	3	25	75	100	4
III	Core XVIII: Services Marketing	5	3	25	75	100	4
III	Core XIX: Capital Markets for Business Process Services	5	3	25	75	100	4
III	Elective II :	5	3	25	75	100	4
III	Elective III:	5	3	25	75	100	4
IV	Skill based subject - 4: Soft Skills for Business	3	3	30	45	75	3
V	Extension Activity@	-	-	-	50	50	2
						3500	**140**

^ Refer the detailed note on this curricular aspect.

@ No University Examinations. Only Continuous Internal Assessment (CIA)

University Examination – Refer the detailed note on this curricular component.

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

List of Elective Papers		
Elective – I	A	Advertising and Sales Promotion
	B	Management Information System
	C	Consumer Behaviour
	D	Introduction to ERP
Elective – II	A	Modern Office Management
	B	Customer Relationship Management
	C	E- Commerce
	D	International Business Management
Elective - III	A	Strategic Management
	B	Financial Services
	C	Intellectual Property Rights
	D	Project Work

Project Work & Viva-Voce

Project Work-50 Marks (25 Marks for Internal and 25 Marks for External) & Viva Voce-50 marks (External) :(25 marks for Internal Assessment & 75 marks for External Assessment)

BHARATHIAR UNIVERSITY::COIMBATORE-641 046
B. Sc. MATHEMATICS DEGREE C OURSE - CBCS PATTERN
(For the students admitted from the academic year **2010-2011** and onwards)
Scheme of Examination

Part	Study Components	Course title	Ins. hrs/ week	Dur.hrs	CIA	Marks	Total Marks	Credit
					Examinations			
	Semester I							
I	Language – I		6	3	25	75	100	4
II	English – I		6	3	25	75	100	4
III	Core Paper I - Classical Algebra		4	3	25	75	100	4
III	Core Paper II-Calculus		5	3	25	75	100	4
III	Allied A : Paper I Chosen by the college		7	3	25	75	100	4
IV	Environmental Studies #		2	3	-	50	50	2
	Semester II							
I	Language – II		6	3	25	75	100	4
II	English – II		6	3	25	75	100	4
III	Core Paper III Analytical Geometry		4	3	25	75	100	4
III	Core Paper IV- Trigonometry, Vector Calculus and Fourier Series		5	3	25	75	100	4
III	Allied A: Paper II Chosen by the college		7	3	25	75	100	4
IV	Value Education – Human Rights #		2	3	-	50	50	2
	Semester III							
I	Language – III		6	3	25	75	100	4
II	English – III		6	3	25	75	100	4
III	Core Paper V- Differential Equations and Laplace Transforms		3	3	25	75	100	4
III	Core Paper VI- Statics		3	3	25	75	100	4
III	Allied B - Paper III Chosen by the college		7	3	20	55	75	3
IV	Skill based Subject - Operations Research -I		3	3	20	55	75	3
IV	Tamil @ / Advanced Tamil# (OR) Non-major elective - I (Yoga for Human Excellence)# / Women's Rights#		2	3	50		50	2

	Semester IV						
I	Language – IV	6	3	25	75	100	4
II	English – IV	6	3	25	75	100	4
III	Core Paper VII-Dynamics	3	3	25	75	100	4
III	Core Paper VIII- Programming in C	3	3	**	**	100**	4
III	Allied B : Paper II – Chosen by the college	5	3	20	55	75	3
III	Practical - (Allied)	2	3	20	30	50	2
IV	Skill based Subject - Operations Research – Paper II	3	3	20	55	75	3
IV	Tamil @ /Advanced Tamil # (OR) Non-major elective -II (General Awareness #)	2	3	50		50	2
	Semester V						
III	Core Paper IX-Real Analysis-I	5	3	25	75	100	4
III	Core Paper X- Complex Analysis-I	6	3	25	75	100	4
III	Core Paper XI- Modern Algebra-I	6	3	25	75	100	4
III	Core Paper XII- Discrete Maths	5	3	25	75	100	4
III	Elective I	5	3	20	55	75	3
IV	Skill based Subject - Operations Research Paper III	3	3	20	55	75	3
	Semester VI						
III	Core Paper XIII Real Analysis-II	5	3	25	75	100	4
III	Core Paper XIV Complex Analysis-II	6	3	25	75	100	4
III	Core Paper XV Modern Algebra-II	6	3	25	75	100	4
III	Elective II	5	3	20	55	75	3
III	Elective III	5	3	25	75	100**	4
IV	Skill Based Subject - Operations Research - Project	-	-	-	-	75*	3
V	Extension Activities @	-		50	-	50	2
	Total					3500	140

** All Computer papers have theory and practical exams.	**Theory**			20	55	100
	Practical			10	15	

* Project report - 80 marks; Viva-voce – 20 marks

@ No University Examinations. Only Continuous Internal Assessment (CIA)

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

Allied subjects : 1.Physics, 2.Chemistry, 3.Accountancy & 4.Statistics.

List of Elective papers (Colleges can choose any one of the paper as electives)		
Elective – I	A	Astronomy- I
	B	Numerical Methods-I
Elective – II	A	Astronomy- II
	B	Numerical Methods-II
Elective - III	A	Graph Theory
	B	Automata Theory & Formal Languages
	C	Programmin in C++ **

B.A. English Language and Literature - CBCS Pattern   &
B.A. English Literatures with Computer Applications - CBCS Pattern

Annexure 6A & 6B
SCAA Dt . 6-2-2014

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BHARATHIAR UNIVERSITY,COIMBATORE-641 046
B.A ENGLISH LANGUAGE AND LITERATURE **(CBCS PATTERN)**
(For the students admitted during the academic year 2014-2015 and onwards)

SCHEME OF EXAMINATIONS

Part	Study Components / Course Title	Inst. Hours/ Week	Duration	CIA $	Uni. Exam	Total	Credit
	Semester I						
I	Language-I	6	3	25	75	100	4
II	English-I	6	3	25	75	100	4
III	CORE I – PROSE -1	5	3	**20**	**55**	**75**	3
III	CORE II – FICTION – 1	5	3	**20**	**55**	**75**	3
III	ALLIED PAPER I SOCIAL HISTORY OF ENGLAND	6	3	25	75	100	4
IV	**Environmental Studies #**	**2**	**3**	**-**	**50**	**50**	**2**
	Semester II						
I	Language-II	6	3	25	75	100	4
II	English-II	6	3	25	75	100	4
III	CORE III – POETRY - I	5	3	25	75	100	4
III	CORE IV – DRAMA - I	5	3	25	75	100	4
III	ALLIED PAPER II HISTORY OF ENGLISH LITERATURE	6	3	25	75	100	4
IV	**Value Education – Human Rights #**	**2**	**3**	**-**	**50**	**50**	**2**
	Semester III						
I	Language-III	6	3	25	75	100	4
II	English-III	6	3	25	75	100	4
III	Core V – PROSE - II	4	3	25	75	100	4
III	Core VI – FICTION – II	4	3	25	75	100	4
III	Allied : III - LITERARY FORMS	5	3	25	75	100	4
IV	**Skill based Subject 1** **COMMUNICATIVE ENGLISH - PAPER I**	**3**	**3**	**20**	**55**	**75**	**3**
IV	**Tamil@ / Advanced Tamil# (OR)** **Non-major elective - I (Yoga for Human Excellence)# / Women's Rights#**	**2**	**3**	**50**		**50**	**2**

Part	Study Components / Course Title	Inst. Hours/ Week	Duration	CIA $	Uni. Exam	Total	Credit
	Semester IV						
I	Language-IV	6	3	25	75	100	4
II	English-IV	6	3	25	75	100	4
III	Core VII – POETRY – II	4	3	25	75	100	4
III	Core VIII – DRAMA – II	4	3	25	75	100	4
III	Allied : IV LITERARY CRITICISM	5	3	25	75	100	4
IV	**Skill based Subject 2** **COMMUNICATIVE ENGLISH - PAPER II**	**3**	**3**	**20**	**55**	**75**	**3**

B.A. English Language and Literature - CBCS Pattern   &   *Annexure 6A & 6B*
B.A. English Literatures with Computer Applications - CBCS Pattern   *SCAA Dt . 6-2-2014*
Page 2 of 40   **(REVISED)**

IV	Tamil @ /Advanced Tamil # (OR) **Non-major elective -II (General Awareness #)**	2	3	50		50	2
	Semester V						
III	Core IX – SHAKESPEARE – I	6	3	25	75	100	4
III	Core X – INDIAN WRITING IN ENGLISH	6	3	25	75	100	4
III	Core XI – AMERICAN LITERATURE	6	3	25	75	100	4
III	Core XII – **COMMONWEALTH LITERATURE**	5	3	25	75	100	4
III	**Elective –I**	**4**	**3**	**25**	**75**	**100**	**4**
IV	**Skill based Subject 3 COMMUNICATIVE ENGLISH - PAPER III**	**3**	**3**	**20**	**55**	**75**	**3**
	Semester VI						
III	Core XIII – SHAKESPEARE – II	6	3	25	75	100	4
III	Core XIV – INTENSIVE STUDY OF AN AUTHOR – TAGORE	6	3	25	75	100	4
III	CORE XV – INDIAN LITERATURE IN ENGLISH TRANSLATION	5	3	25	75	100	4
III	Elective –II	5	3	25	75	100	4
III	**Elective –III**	**5**	**3**	**25**	**75**	**100**	**4**
IV	**Skill based Subject 4 COMMUNICATIVE ENGLISH - PAPER IV**	**3**	**3**	**20**	**55**	**75**	**3**
V	**Extension Activities @**	-	-	50	-	50	2
	Total					3500	140

$ Includes 25/40% continuous internal assessment marks for theory and practical papers respectively.

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

List of Elective papers (Colleges can choose any one of the paper as electives)		
Elective – I	A	ENGLISH FOR COMPETETIVE EXAMS.
	B	STUDY OF INDIAN THEATRE
	C	PUBLIC SPEAKING
Elective – II	A	COMMUNICATIVE ENGLISH
	B	FUNDAMENTALS OF COMPARATIVE LITERATURE
	C	WRITING SKILLS
Elective – III	A	INTRODUCTION TO LINGUSITICS
	B	STUDYING NOVELS
	C	TRANSLATION TASKS

BHARATHIAR UNIVERSITY,COIMBATORE-641 046
B.A ENGLISH   LITERATURE WITH COMPUTER APPLICATIONS **(CBCS PATTERN)**

(For the students admitted during the academic year 2014-15 and onwards)

SCHEME OF EXAMINATIONS

Part	Study Components / Course Title	Inst. Hours/ Week	Duration	CIA $	Uni. Exam	Total	Credit
	Semester I						
I	Language-I	6	3	25	75	100	4
II	English-I	6	3	25	75	100	4
III	CORE I – PROSE -1	5	3	20	55	75	**3**
III	CORE II – FICTION – 1	5	3	20	55	75	**3**
III	ALLIED PAPER I SOCIAL HISTORY OF ENGLAND	6	3	25	75	100	4
IV	**Environmental Studies #**	**2**	**3**	**-**	**50**	**50**	**2**
	Semester II						
I	Language-II	6	3	25	75	100	4
II	English-II	6	3	25	75	100	4
III	CORE III – POETRY - I	5	3	25	75	100	4
III	CORE IV – DRAMA - I	5	3	25	75	100	4
III	ALLIED PAPER II HISTORY OF ENGLISH LITERATURE	6	3	25	75	100	4
IV	**Value Education – Human Rights #**	**2**	**3**	**-**	**50**	**50**	**2**
	Semester III						
I	Language-III	6	3	25	75	100	4
II	English-III	6	3	25	75	100	4
III	Core V – PROSE - II	4	3	25	75	100	4
III	Core VI – FUNDMENTALS OF INFORMATION TECHNOLOGY	4	3	25	75	100	4
III	Allied : III - LITERARY FORMS	5	3	25	75	100	4
IV	**Skill based Subject 1** COMMUNICATIVE ENGLISH - PAPER I	**3**	**3**	**20**	**55**	**75**	**3**
IV	**Tamil@ / Advanced Tamil# (OR)** **Non-major elective - I (Yoga for Human Excellence)# / Women's Rights#**	**2**	**3**	**50**		**50**	**2**

	Semester IV						
I	Language-IV	6	3	25	75	100	4
II	English-IV	6	3	25	75	100	4
III	Core VII – POETRY – II	4	3	25	75	100	4
III	Core VIII – SOFTWARE ENGINEERING	4	3	25	75	100	4
III	Allied : IV LITERARY CRITICISM	5	3	25	75	100	4
IV	**Skill based Subject 2** COMMUNICATIVE ENGLISH - PAPER II	**3**	**3**	**20**	**55**	**75**	**3**
IV	**Tamil @ /Advanced Tamil # (OR)** **Non-major elective -II (General Awareness #)**	**2**	**3**	**50**		**50**	**2**

	Semester V						
III	Core IX – SHAKESPEARE – I	6	3	25	75	100	4
III	Core X – INDIAN WRITING IN ENGLISH	6	3	25	75	100	4
III	Core XI – BASIC PROGRAMMING AND INTERNET	6	3	25	75	100	4
III	Core XII – **COMMONWEALTH LITERATURE**	5	3	25	75	100	4
III	**Elective –I**	**4**	**3**	**25**	**75**	**100**	**4**
IV	**Skill based Subject – 3** COMMUNICATIVE ENGLISH - PAPER III	**3**	**3**	**20**	**55**	**75**	**3**
	Semester VI						
III	Core XIII – SHAKESPEARE – II	6	3	25	75	100	4
III	Core XIV – INTENSIVE STUDY OF AN AUTHOR – TAGORE	6	3	25	75	100	4
III	CORE XV – PC SOFTWARE (MS OFFICE)	5	3	25	75	100	4
III	Elective –II	5	3	25	75	100	4
III	**Elective –III**	**5**	**3**	**25**	**75**	**100**	**4**
IV	**Skill based Subject – 4** COMMUNICATIVE ENGLISH - PAPER IV	**3**	**3**	**20**	**55**	**75**	**3**
V	**Extension Activities @**	**-**	**-**	**50**	**-**	**50**	**2**
	Total					3500	140

$ Includes 25/40% continuous internal assessment marks for theory and practical papers respectively.

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

List of Elective papers (Colleges can choose any one of the paper as electives)		
Elective – I	**A**	ENGLISH FOR COMPETETIVE EXAMS.
	B	STUDY OF INDIAN THEATRE
	C	PUBLIC SPEAKING
Elective – II	**A**	COMMUNICATIVE ENGLISH
	B	FUNDAMENTALS OF COMPARATIVE LITERATURE
	C	WRITING SKILLS
Elective - III	**A**	INTRODUCTION TO LINGUSITICS
	B	STUDYING NOVELS
	C	TRANSLATION TASKS