

Core Structure for U.G B.C.A - CBCS Programme

Semester-I (FY)

COURSE NO.	COURSE TYPE	SUBJECT	CREDIT	
EC - 101	ELECTIVE	From list	2	Elective course • LEARNING FROM WORLD LEADERS • CULTURE AND CIVILIZATION • HEALTH EDUCATION Foundation Course • COMMUNICATION SKILLS (NO OPTION IS AVAILABLE)
FC- 101	FOUNDATION	From list	2	
CC-101	CORE	COMPUTER FUNDAMENTALS	3	
CC-102	CORE	PROBLEM SOLVING & C PROGRAMMING	3	
CC-103	CORE	INTRODUCTION TO INTERNET & HTML	3	
CC -104	CORE	BASICS OF MATHEMATICS	3	
CC-105	CORE	* CC-102 PRACTICAL	3	
CC-106	CORE	* CC-103 PRACTICAL	3	
CC-107	CORE	*PC SOFTWARE (PRACTICAL)	3	
TOTAL			25	

Semester-II (FY)

COURSE NO.	COURSE TYPE	SUBJECT	CREDIT	
EC-102	ELECTIVE	From list	2	Elective course • ENVIRONMENTAL STUDIES (NO OPTION IS AVAILABLE) Foundation Course • FUNDAMENTALS OF ACCOUNTING • GENERAL ENGLISH
FC-102	FOUNDATION	From list	2	
CC-108	CORE	ADVANCED C PROGRAMMING	3	
CC-109	CORE	DYNAMIC HTML & XML	3	
CC-110	CORE	DATABASE MANAGEMENT SYSTEM – I	3	
CC-111	CORE	MATHEMATICAL FOUNDATION OF COMPUTER SCIENCE	3	
CC-112	CORE	* CC-108 PRACTICAL	3	
CC-113	CORE	* CC-109 PRACTICAL	3	
CC-114	CORE	*DATABASE SYSTEMS (PRACTICAL)	3	
TOTAL			25	

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Semester-III (SY)

COURSE NO.	COURSE TYPE	SUBJECT	CREDIT	
EC-201	ELECTIVE	From list	2	Elective course ● SOFT SKILLS DEVELOPMENT ● CARBON CREDIT ● LEARNING FROM GREAT INDIAN THINKERS ● INTRODUCTION TO INDIAN CONSTITUTION Foundation Course ● PRINCIPLES OF MANAGEMENT ● MASS COMMUNICATION
FC-201	FOUNDATION	From list	2	
CC-201	CORE	COMPUTER ORGANISATION AND ADVANCED MICROPROCESSORS	3	
CC-202	CORE	DATA STRUCTURES	3	
CC-203	CORE	OBJECT ORIENTED CONCEPTS AND PROGRAMMING	3	
CC-204	CORE	FUNDAMENTALS OF OPERATING SYSTEMS	3	
CC-205	CORE	STATISTICAL COMPUTING	3	
CC-206	CORE	*CC-202 PRACTICAL	3	
CC-207	CORE	* CC-203 PRACTICAL	3	
TOTAL			25	

Semester-IV (SY)

COURSE NO.	COURSE TYPE	SUBJECT	CREDIT	
EC-202	ELECTIVE	From list	2	Elective course ● HISTORY OF GANDHIAN MOVEMENT ● INTRODUCTION TO SCIENCE AND TECHNOLOGY ● INTRODUCTION TO HUMANITIES ● DISASTER MANAGEMENT ● HISTORY OF GUJARAT AND ITS CULTURE Foundation Course ● SCIENTIFIC COMPUTING ● E-GOVERNANCE ● INTERPERSONAL SKILLS
FC-202	FOUNDATION	From list	2	
CC-208	CORE	DATABASE MANAGEMENT SYSTEM – II	3	
CC-209	CORE	VISUAL AND WINDOWS PROGRAMMING	3	
CC-210	CORE	CORE JAVA	3	
CC-211	CORE	OBJECT ORIENTED SYSTEM ANALYSIS AND DESIGN	3	
CC-212	CORE	* CC-208 PRACTICAL	3	
CC-213	CORE	* CC-209 PRACTICAL	3	
CC-214	CORE	* CC-210 PRACTICAL	3	
TOTAL			25	

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Semester - V (TY)

COURSE NO.	COURSE TYPE	SUBJECT	CREDIT		
SEC-301	SUBJECT ELECTIVE	From list	3	Subject Elective • SOFTWARE PROJECT MANAGEMENT (THEORY) • ADVANCED JAVA (THEORY + PRACTICAL DEMO)	
FC-302	FOUNDATION	From list	2		
CC-301	CORE	OPEN SOURCE OPERATING SYSTEM	3		
CC-302	CORE	ADVANCED VISUAL AND WINDOWS PROGRAMMING	3		
CC-303	CORE	DATA COMMUNICATION AND NETWORKING	3		
CC-304	CORE	*CC-301 PRACTICAL	3		Foundation Course • OPERATION RESEARCH • MANAGEMENT INFORMATION SYSTEM
CC-305	CORE	*CC-302 PRACTICAL	3		
CC-306	CORE	* SOFTWARE DEVELOPMENT PROJECT – PART I (PRACTICAL)	5		
		TOTAL	25		

Semester - VI (TY)

COURSE NO.	COURSE TYPE	SUBJECT	CREDIT		
SEC-302	SUBJECT ELECTIVE	From list	3	Subject Elective • MOBILE APPLICATION DEVELOPMENT (THEORY) • WEBSITE FRAMEWORKS (JOOMLA, RUBY ON RAILS) (THEORY + PRACTICAL DEMO) • WEB-SITE DEVELOPMENT- II (PHP, AJAX) (THEORY + PRACTICAL DEMO) • INFORMATION SECURITY	
FC-302	FOUNDATION	From list	2		
CC-307	CORE	WEB-SITE DEVELOPMENT-I (ASP.NET)	3		
CC-308	CORE	DATABASE ADMINISTRATION	3		
CC-309	CORE	ECOMMERCE	3		
CC-310	CORE	* CC-307 PRACTICAL	3		Foundation Course • COMPUTER GRAPHICS • ENTERPRISE RESOURCE PLANNING • CUSTOMER RELATIONSHIP MANAGEMENT
CC-311	CORE	* MULTIMEDIA TOOLS (PRACTICAL)	3		
CC-312	CORE	* SOFTWARE DEVELOPMENT PROJECT – PART II (PRACTICAL)	5		
		TOTAL	25		