



BACHELOR OF SCIENCE - INFORMATION TECHNOLOGY (B.Sc.(IT))

Semester-III (SY)

Course No.	Subject Code	Course Type	Subject	Credit
EC-301	22661	ELECTIVE	Personality Development	02
FC-302	22662	FOUNDATION	Business Communication - III	02
CC-303	22663	CORE	Data and File Structure Using C	04
CC-304	22664	CORE	Programming in C++	04
CC-305	22665	CORE	System Analysis and Design	04
CC-306	22666	CORE	Operating System-I	04
CC-307	22667	CORE	Practical	04
Total				24



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(With effect from Academic Year: 2020-2021)

B.Sc.(IT) Course: Personality Development Course No: EC-301			
Semester: 03 Type of Course: ELECTIVE			
Marking Scheme: External Examination: 70 + Internal Evaluation: 30 = 100 Marks			
Credits: 02 Theory Sessions per Week: 02			
Unit	Detailed Syllabus	Teaching Hours	Marks/Weight
Unit-1	Emotional intelligence	8	18
	What is emotional intelligence? Emotional Quotient, Emotional, Enlightenment and Business, Emotional Literacy, Miscommunication, Validation Human Emotional Needs Developing your EQ		
Unit-2	Negotiation Skills	8	18
	Negotiation Skills, Guidelines for Successful Negotiation Negotiations and resolving Conflicts Distributive Vs Integrative The Intangibles, Some Tricks, Types of Negotiators, Soft, Hard and Principled Negotiation Dealing with Difficult People		
Unit-3	Business and Social Etiquette	7	17
	Introduction, Workplace Etiquette, Travel Etiquette, Formal Dressing Etiquette, Dining Etiquette, Wine matters Being a Good Guest, Being a Good Host The Etiquette of Gift Giving Team Building: Team Building, Basic Team Organization and Characteristics Team Motivation, Empowering People, Conditions of Effective Team Building		
Unit-4	Customer Relationship Management	7	17
	Customer Relationship Management (CRM) What is CRM, Why CRM How to Achieve a Better and Stronger Relationship with your Customer? How to Achieve Customer Delight? Customer Focused Selling		
Reference Books:			
<ol style="list-style-type: none">1. David A. Whetten and Kim S. Cameron, Developing Management Skills, 8th Edition, Pearson2. Felix, Oberman. From Hello to Hired: You're Guide to Resume Building and Interview Skills. How to land your ideal job, Kindle Edition, 20153. Richard Smith HOW TO GET HIRED: The Step-by-Step System: Standing Out from the Crowd and Nailing the Job You Want, 2015,4. Emma Sue-Prince, The Advantage: The 7 soft skills you need to stay one step ahead, Pearson5. Gulati, Sarvesh. Corporate Skills. New Delhi: Rupa and Co, 2010 and SOFTSPAN (India) PVT. LTD. New Delhi			



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B.C.A. Course: Business Communication- III Course No: CC-302			
Semester: 03 Type of Course: Foundation Course			
Marking Scheme: External Examination: 70 + Internal Evaluation: 30 = 100 Marks			
Credits: 02		Theory Hours: 30	
Unit	Detailed Syllabus	Teaching Hours	Marks/Weight
Unit-1	Listening –a communication tool	8	18
	- What is listening? Faults of listening How to improve listening skills? Approaches of listening.		
Unit-2	Group Communication	8	18
	- What is group? Group personality -Types of groups (formal and informal) -Role of communication in small group -How to make group discussion effective? Its advantages and disadvantages.		
Unit-3	Interview	7	17
	- Define interview - Features of interview - Types of interview - Guidelines for candidates to prepare for interview		
Unit-4	Orders and their execution	7	17
	- Characteristics of order letter - Placing an order letter - Acknowledging orders - Reply to orders - Cancelling the order		
Reference Books			
1. “Essentials of Business Communication” Rajendra Pal and J.SC. Korhali – New Delhi			
2. Business Communication. By Sathya Swaroop Debasish & Bhagaban Das. PHI Learning Private Limited. Delhi. 110092.			
3. “Communication” By C.S. Rayudu. Himaliya Publishing House			
4. Cracking the Coding Interview: by Gayle Laakmann McDowell			



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B.Sc IT Semester: 03 Marking Scheme: External Examination: 70 + Internal Evaluation: 30 = 100 Credits: 04				Course: Programming in C++ Type of Course : Core Course Theory Sessions per Week: 04		Course No: CC-304	
Unit	Detailed Syllabus	Teaching Hours	Marks/Weight				
Unit-1	Fundamental of Programming and OOP Concept	16	18				
	Introduction of OOP, OOP V/s POP Concept of OOP – Object, Class, Inheritance, Encapsulation, Polymorphism, Abstraction ,Message Passing Structure Of C++ Program Tokens in C++ Data type, Constant, Variable, Statement & Operators Input/output statements Declaration & Creation of Class and Object Function – Member function, Inline function, Friend function Constructor – Types of constructor, characteristics of constructor, constructor overloading., Destructor						
Unit-2	Operator overloading and Type conversion	16	18				
	Basic of operator overloading Types of operator overloading-Unary, Binary Operator overloading using member function & friend function Type conversion Categories of type conversion						
Unit-3	Inheritance & Polymorphism	14	17				
	Inheritance Types of inheritance *this pointer Polymorphism (Compile time and Run time polymorphism) Pure virtual function						
Unit-4	File Handling and exception handling	14	17				
	Concepts Stream class and its function File stream class structure and operation Sequential and random access file Command line arguments Exception handling						
Reference Books							
1. E-Balaguruswami: Object Oriented Programming with C++ Mc Graw-Hill							
2. Robert Lafore: Object Oriented Programming with C++ Galgotia Publications.							
3. Rajaraman: Object Oriented Programming with C++ New age International							



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B.Sc .IT			Course: Practical	Course No: CC-307
Semester: 03			Type of Course: Core Course	
Marking Scheme: External Examination: 100 + Internal Evaluation: 00 = 100 Marks				
Credits: 04			Practical Sessions per Week: 08	
Unit	Detailed Syllabus			Marks/ Weight
Unit-1	Practical Based on 303			50
Unit-2	Practical Based on 304			50