St. Joseph's College (Autonomous), Bengaluru- 560027.
Online examination September 2020
UG syllabus Department of ……Computer Science(BCA)……..

Subject		**BCA**
Paper code		**CA 6115**
Paper Title		**E Commerce**
No. of total hrs		**35**
No of total units		**3**
Unit no	***Content in the unit***	***No of hrs***
3	**Securing Electronic Transactions :** Introduction, Business Requirements, Concepts, Payment Processing e-mail and Secure e-mail Technologies: Introduction, The means of Distribution. A Model for Message Handling. Working of e-mail. MIME, S/MIME: and MOSS, Comparisons of security methods.	**9**
4	**Applications – 1:** Consumer-Oriented e-Commerce: Applications, Mercantile Process Models, Mercantile Models from the Consumer's Perspective and from the Merchant's Perspective. Interorganizational Commerce and EDI: EDI, Applications of EDI in business, Legal, Security and Privacy Issues; EDI standards and initiatives. EDI Software Implementation, EDI Envelope for Message Transport, Value-added Networks.	**12**
5	**Applications – II:** 14 Hrs Advertising and Marketing: The New Age of Information – Based Marketing, Advertising on the Internet, adaptation of new product: introduction process to the internet Marketing Research. Consumer Search and Resource Discovery: Search and Resource Discovery Paradigms. Information Search and Retrieval, e-Commerce Catalogs or Directories.	**14**

Subject		**BCA**
Paper code		**CA 6215**
Paper Title		**Object Oriented System and Design**
No. of total hrs		**30**
No of total units		**2**
Unit no	***Content in the unit***	***No of hrs***
3	**Object Oriented Analysis-**Identifying Use Cases: Introduction, Business Object Analysis: Understanding the Business Layer, Use-Case Driven Object - Oriented Analysis: the Unified Approach, Business Process Modeling, Use – Case Model, Developing Effective Documentation. Object Analysis: Classification introduction, Classification Theory, Approaches For Identifying	**15**

	Classes, Noun Phrase Approach, Classes, Responsibilities and Collaborators process, Naming Classes, Identifying Object Relationships, Attributes, and Methods :associations, Super-Sub Class Relationships, A-part-of Relationships-Aggregations, Class Responsibility: Defining Attributes by analyzing Use Case and other UML Diagrams, Object Responsibility: Methods and messages,	
4	**Object Oriented Design-**The Object Oriented Design Process, Object Oriented Design Axioms, Corollaries, Design patterns, Designing Classes: The Process, Class Visibility; Designing Well-Defined Public, Private and Protected protocols, Designing Classes: Refining Attributes, Designing Methods and Protocols, Packages and managing Classes, Access Layer: Object Store and Persistence: Database Management systems, Object Oriented Database Management Systems, Object relational systems, View Layer designing Interface Objects: View Layer Classes, Macro-Level Process, Micro level Process.	**15**

Subject	**BCA**	
Paper code	**CA 6315**	
Paper Title	**Dotnet Technologies**	
No. of total hrs	**38**	
No of total units	**4**	
Unit no	***Content in the unit***	***No of hrs***
4	**Advanced C# Topics:** Errors and Exception Handling, Exception Classes, User Defined Exceptions. The STD namespace objects, Array Lists, Collections, Dictionaries. Multi Threading – Synchronization. Delegates – Definition, Delegates in Inheritance. Event handler, Reflection.	**12**
5	**Programming in the .NET Environment:** Introduction to Visual Studio .NET – ASP .NET. Difference between ASP and ASP.NET. Creating a Web application using ASP.NET. Components of an ASP.NET User Control, Custom Control, Deploying ASP .NET applications. Master Pages, Themes.	**06**
6	**Assemblies-**Features of Assemblies, Application Domains, Assembly Structure, Assembly manifests, Assemblies and Components.	**06**
7	**Data Access:** ADO.NET overview. Various data access objects – Connection, Command and DataSet Objects. Binding data to ASP .NET server controls. Accessing data from a database using ADO.NET. Reading from and Writing to an XML document, Using XML DOM objects for data access from XML Documents. Binding data from an XML document to Web form controls.	**14**

	Converting data from Database to XML Data. Xml & Web Services.	

Subject	**BCA**	
Paper code	**CA 6415**	
Paper Title	**Mobile Applications**	
No. of total hrs	**30**	
No of total units	**3**	
Unit no	***Content in the unit***	***No of hrs***
3	**Designing User interface:** Using alternate resources, implementing an about box, applying a theme, adding a menu, adding settings, debugging with log messages, debugging with debugger	**15**
4	**Exploring 2D Graphics and Multimedia:** Learning the basics, adding Graphics to existing apps, handling input, learn to change the final improvements, Playing audio, Playing Video, Adding sound to existing app,	**8**
5	**Storing local Data:** Reading/writing local data, Accessing the Internal File system, Accessing SD card.	**7**

St. Joseph's College (Autonomous), Bengaluru- 560027.
Online examination September 2020
UG syllabus Department of SOCIAL WORK

Subject	**Social Work**
Paper code	**SW6116**
Paper Title	**Introduction to Counselling**
No. of total hrs	**27**
No of total units	**3**

Unit no	***Content in the unit***	***No of hrs***
3	Empathy in counselling **Basic skills**-listening, observation, responding, communication, probing, interpretation, analytical and evaluating skill.	**9 hrs**
4	**Process of counselling**: Attending, intake, self-exploration, analysis, diagnostic assessment, intervention, evaluation, termination and follow up.	**9 hrs**
5	**Areas of counselling**: children, adolescents, youth, elderly – problems faced in each stage and intervention techniques School counselling, family counselling- understanding family dynamics, counselling in various settings: hospitals, industries, correctional settings.	**9 hrs**

Subject	**SOCIAL WORK**
Paper code	**SW6216**
Paper Title	**PEACE STUDIES &CONFLICT RESOLUTION**
No. of total hrs	**45**
No of total units	**5**

Unit no	*Content in the unit*	*No of hrs*

1	Meaning of Peace and Conflict The reason and need for study. An Introduction to the Field.	9
2	The State and World Wars. The Causes of War, Idealism and Nationalism. The Political Economy of War.	9
3	Causes of Aggression Pro and Anti-War Propaganda WMD and Disarmament Post-Cold War Conflicts.	9
4	The Challenge of Conflict Resolution History and Theory of Non-Violent Conflict Non-Violent Conflict in Practice Non- violence in the Twentieth Century. Non-violence in Action.	9
5	Gender and Peace-making End of War-Utopian state Path of Reconciliation Contemporary Commentary on Forgiveness and Reconciliation.	9

Subject	**INTRODUCTION TO CRIMINOLOGY AND CORRECTIONAL ADMINISTRATION**
Paper code	**SW6316**
Paper Title	**INTRODUCTION TO CRIMINOLOGY AND CORRECTIONAL ADMINISTRATION**
No. of total hrs	**27**
No of total units	**3**

Unit no	*Content in the unit*	*No of hrs*
III	**Penology: Meaning & Scope, Theories of Punishment, Imprisonment: Objectives & Trends.**	**9 HOURS**
IV	**Prison: Administration in India, Prison Reform in India, Social Work Practice in Prisons. New Perspectives on Corrections, Changing paradigms of correctional administration: Issues, problems and future corrections.**	**9 HOURS**
V	**Correctional Programmes in Prisons and Juvenile Corrections, Correctional Techniques: Counselling Guidance, Vocational Training & Behaviour Modification.**	**9 HOURS**

Subject	**Social Work**
Paper code	**SW6416**
Paper Title	**Social Work in Unorganized Sector**
No. of total hrs	**27**
No of total units	**3**

Unit no	*Content in the unit*	*No of hrs*
3	National Rural Livelihood Mission Project: Mission, principles, values, systems and structures. Institutional building and capacity building, financial inclusion, livelihoods promotion, social inclusion and development.	**9**
4	National Urban Livelihood Mission Project: Social Mobilizing and Institutional Development, References, Capacity Building and Training, Employment through Skills Training and Placement, Self Employment Program, Support to Urban Street Vendors, Scheme of Shelter for Urban Homeless, Innovative and special projects.	**9**
5	SHG, voluntary organization- roles, trends and challenges in unorganized sector. Role of Social Workers- Advocate, resource mobilizer, enabler and facilitator.	**9**

Subject	**Social Work and Health**
Paper code	**SW6516**
Paper Title	**Social Work and Health**
No. of total hrs	**35**

No of total units	4	
Unit no	***Content in the unit***	***No of hrs***
2	Health and Disease: Basic Concepts and Definition, Disease Control and Levels of Prevention, Determinants and Indicators of Health, Health situation and Trends in India.	**9**
3	Health care systems – Department of AYUSH, Ayurveda, Yoga, Naturopathy, Unani, Siddha, Homeopathy	**9**
4	Health Policy - National Health Policy of India, WHOpolicy, Understanding Health Infrastructure& Health Care Delivery System India and SAARC Countries developed and developing countries, National Health Missions.	**9**
5	Environment and Health: Environmental degradation and human pathology, Examination of living/ working environment & its impact on human health; Right to a safe biosphere.	**9**

St. Joseph's College (Autonomous), Bengaluru- 560027.
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UG syllabus
Department of Communication

Subject	**Television Production**	
Paper code	**VC 6115**	
Paper Title	**Television Production**	
No. of total hrs	**52**	
No of total units	**05**	
Unit no	***Content in the unit***	***No of hrs***
Unit 2	Analog and Digital Television – Basic Image Creation – Basic Colour of the Video Display – advantages of Digital Television – Scanning Systems – Interlaced and Progressive Scanning – DTV Systems – Flat – Panel Displays.	**5**
Unit 3	TV Production: Preproduction Planning: From Idea to Script – Coordination – Line Producer: Host & Watchdog – Postproduction Activities. Production Scheduling - Basic Rules - The Script – The Breakdown Sheet – The Production Board – Parameter Factors – Arranging the Board– The Shooting Schedule. Direction – Director's Roles – Preproduction Activities – Production Method – Production Team – Floor Plan – Location Sketch – Moving from Script to Screen	**15**
Unit 4	Producing various formats – news, talk shows, soap operas, reality shows - Script Formats – Script Marking	**5**
Unit 5	Direction in Production & Postproduction Activities – Multi Camera Directing Procedures – Directing Rehearsals – Directing the Show – Single Camera Directing Procedures – Controlling Clock Time & Subjective Time – ENG / EFP Techniques.	**15**

Subject	**VISUAL AESTHETICS**	
Paper code	**VC 6215**	
Paper Title	**VISUAL AESTHETICS**	
No. of total hrs	**52**	
No of total units	**5**	
Unit no	***Content in the unit***	***No of hrs***
Unit 3	Analysis of techniques and products of different visual media as a product of its time. (Case Study: Cubism, Jean-Francois Millet) Socio-political and economic reasons behind the advent and decline of historically important techniques and subjects in visual media. Alienation in art – Francis Bacon and Walt Disney	**15**
Unit 4	Art and the processes of validation. Philosophies of beauty – Plato – Aristotle –	**15**

	Walter Pater	
Unit 5	Indian aesthetic concepts–*rasa*, *bhava*. Limitations of academic analysis and art appreciation in the current context	**10**

Subject	**BASICS OF ANIMATION**	
Paper code	**VC 6315**	
Paper Title	**BASICS OF ANIMATION**	
No. of total hrs	**52**	
No of total units	**5**	
Unit no	***Content in the unit***	***No of hrs***
Unit 3	Introduction to animation production process, Basic Principles in animation: Squash and stretch, Anticipation, Staging, Straight ahead and pose to pose, Follow through and overlapping action, Slow in and slow out, Arcs, Secondary action, Timing, Exaggeration, Solid drawing, Appeal, Mass and weight, Character acting, Volume, Line of action, Path of action, Walk cycles-animal and human.	**15**
Unit 4	Straight Ahead Action & pose to pose Action Motion Tweens, Shape Tweens and frame by- frame animations Graphic, Button, and Movie Clip Symbols – Libraries and Instances Digital 2D Animation orientation – Basic factors affecting the illusion of motion — Prevailing file format standards and other compatibility issues	**15**
Unit 5	Basic introduction to 3D animation. Basic concepts of 3d: Introduction to space, concepts of time and time line, rendering options andinterface with editing techniques - Professional animation practice and job description	**10**

Subject	**Presentation Skills**	
Paper code	**VC 6415**	
Paper Title	**Presentation Skills (2 credits)**	
No. of total hrs	**15 hours**	
No of total units	**2**	
Unit no	***Content in the unit***	***No of hrs***
3	Using language, using non-verbal language; knowing the voice: volume, passion, pace, speaking across cultures, reduces nervousness, selling the big idea, developing	**10 Hours**

	leadership through speaking.	
5	The power of storytelling, using humor, handling the audience, opening and ending, interactivity.	**5 hours**