DAYANANDA SAGAR COLLEGE OF ARTS SCIENCE AND COMMERCE

Shavige Malleshwara Hills, Kumarswamy Layout, Bangalore-560082

Internal Quality Assurance Cell (IQAC)

BBA

Dayananda Sagar College of Arts, Science and Commerce
Shavige Malleshwara Hills, Kumaraswamy Layout
Bengaluru – 560 111

LESSON PLAN

Subject Name: BM **Course: BBA** **Semester: VI**

Faculty Name: Rohini Yathish **Preparation date: 19/04/2020** **Section: A**

Session No.	Date	Time	Topics Planned
1.	26/4/2021	P1	UNIT 1 Introduction to Product Management
2.	29/4/2021	P3	Meaning of Product, Product Personality
3.	30/4/2021	P2	Types of Products
4.	3/5/2021	P4	Product Line
5.	6/5/2021	P3	Product Mix
6.	7/5/2021	P1	Revision
7.	8/5/2021	P1	UNIT 2 Factors influencing design of the product
8.	10/5/2021	P4	Changes Affecting Product Management
9.	13/5/2021	P3	Developing Product Strategy
10.	15/5/2021	P1	Setting Objectives and Alternatives
11.	17/5/2021	P4	Product Strategy Over the Lifecycle
12.	20/5/2021	P3	Customer Analysis
13.	21/5/2021	P1	New Product Development
14.	22/5/2021	P1	Product Differentiation and Positioning Strategies
15.	24/5/2021	P4	Failure of New Product
16.	27/5/2021	P3	Revision
17.	28/5/2021	P1	UNIT 3 Forecasting target market potential
18.	29/5/2021	P1	Forecasting target market sales
19.	31/5/2021	P4	Methods of Estimating Market
20.	3/6/2021	P3	Methods of Estimating Sales Potential
21.	4/6/2021	P1	Sales Forecasting
22.	5/6/2021	P1	Planning for Involvement in International Market
23.	7/6/2021	P4	Revision
24.	10/6/2021	P3	UNIT 4 Meaning of Brand, Brand Development
25.	11/6/2021	P1	Extension, Rejuvenation, Re launch
26.	12/6/2021	P1	Product Vs Brands
27.	14/6/2021	P4	Goods and Services

28.	17/6/2021	P3	Retailer and Distributors
29.	18/6/2021	P1	People and Organization
30.	19/6/2021	P1	Brand Challenges and Opportunities
31.	21/6/2021	P4	The Brand Equity Concept, identity and Image
32.	24/6/2021	P3	Revision
33.	25/6/2021	P1	UNIT 5 Establishing a Brand Equity Management System
34.	26/6/2021	P1	Measuring Sources of Brand Equity and consumer Mindset
35.	28/6/2021	P4	Co-Branding, Celebrity Endorsement
36.	1/7/2021	P3	Brand Positioning and Brand Building, Brand Knowledge
37.	2/7/2021	P1	Steps of Brand Building
38.	3/7/2021	P1	Identifying and Establishing Brand Positioning
39.	5/7/2021	P4	Defining and Establishing Brand Values
40.	8/7/2021	P3	Revision
41.	9/7/2021	P1	UNIT 6 Brand Hierarchy
42.	10/7/2021	P1	Brand Strategy
43.	12/7/2021	P4	Brand Extension and Brand Transfer
44.	15/7/2021	P3	Managing Brand Over Time
45.	16/7/2021	P1	Revision
46.	17/7/2021	P1	Playing video on Product Development & clarifying doubts
47.	19/7/2021	P4	Playing video on sales forecasting & clarifying doubts
48.	22/7/2021	P3	Playing video on market segmentation & clarifying doubts
49.	23/7/2021	P1	Revision on important concepts from unit 1
50.	24/7/2021	P1	Revision on important concepts from unit 2
51.	26/7/2021	P4	Revision on important concepts from unit 3
52.	29/7/2021	P3	Revision on important concepts from unit 4
53.	30/7/2021	P1	Revision on important concepts from unit 5
54.	31/7/2021	P1	Revision on important concepts from unit 6
55.	2/8/2021	P4	Quiz – 1
56.	5/8/2021	P3	Quiz - 2

RECOMMENDED BOOKS:

1. Brand Management (VBH) BY Sunil.B.Rao
2. Brand Management (HBH) BY Gupta SL
3. Brand Management (EBH) BY Harsh V. Verma

19/4/2021

Signature of the Faculty **Signature of the HOD** **Signature of the Principal**

Dayananda Sagar College of Arts, Science and Commerce

Shavige Malleshwara Hills, Kumaraswamy Layout

Bengaluru – 560 111

LESSON PLAN

Subject Name: Strategic Management **Course:** BBA **Semester:** VI

Faculty Name: Rashmi M Umarji **Preparation date:** 19-04-2021

Section: A

Session No.	Date	Time	Topics Planned
1.	27-4-21	9-00	Syllabus Discussion
2.	28-4-21	10-00	Unit 1: INTRODUCTION TO STRATEGIC MANAGEMENT Introduction - Meaning and Definition
3.	30-4-21	10-00	Need – Process of Strategic Management
4.	31-4-21	11-00	Strategic Decision Making
5.	4-5-21	9-00	Business Ethics
6.	7-5-21	10-00	Strategic Management. -' Video by Tuition in '
7.	8-5-21	10-00	Unit 2: ENVIRONMENTAL APPRAISAL The concept of Environment
8.	11-5-21	11-00	The Company and its Environment
9.	12-5-21	9-00	Scanning the Environment
10.	14-5-21	10-00	Technological Environment
11.	15-5-21	10-00	Social and Cultural Environment
12.	18-5-21	11-00	Demographic Environment
13.	19-5-21	9-00	Political, Legal Environment
14.	21-5-21	10-00	Other Environments Forces
15.	22-5-21	10-00	SWOT Analysis
16.	25-5-21	11-00	Competitive Advantage
17.	26-5-21	9-00	Value Chain Analysis –'Video by Purender Patre"7 Environmental Appraisal"
18.	28-5-21	10-00	Unit 3: STRATEGIC PLANNING Strategic Planning Process
19.	29-5-21	10-00	Strategic Plans during recession, recovery,
20.	1-6-21	11-00	Boom and depression
21.	2-6-21	9-00	Stability Strategy
22.	4-6-21	10-00	Expansion Strategy
23.	5-6-21	10-00	Merger Strategy
24.	8-6-21	11-00	Retrenchment Strategy

25.	9-6-21	9-00	Restructure Strategy
26.	11-6-21	10-00	Levels of Strategy
27.	12-6-21	10-00	Corporate Level Strategy
28.	15-6-21	11-00	Business Level Strategy
29.	16-6-21	9-00	Functional Level Strategy
30.	18-6-21	10-00	Competitive Analysis
31.	19-6-21	10-00	Porter"s Five Forces Model-' Video by College Tutor'
32.	22-6-21	11-00	Unit 4: IMPLEMENTATION OF STRATEGY Aspects of Strategy Implementation–
33.	23-6-21	9-00	Project Manipulation
34.	25-6-21	10-00	Procedural Implementation
35.	26-6-21	10-00	Structural Implementation
36.	29-6-21	11-00	Structural Considerations
37.	30-6-21	9-00	Organizational Design and Change
38.	2-7-21	10-00	Organizational Systems.
39.	3-7-21	10-00	Behavioral Implementation
40.	6-7-21	11-00	Leadership Implementation
41.	7-7-21	9-00	Corporate Culture – Corporate Policies and Use of Power.
42.	9-7-21	10-00	Implementation – Functional Strategies
43.	10-7-21	10-00	Functional and Operational – Functional Plans and Policies.
44.	13-7-21	11-00	Marketing – OPERATIONAL and Personnel dimensions of Functional Plan and Policies
45.	14-7-21	9-00	Financial — Integration of Functional Plans and Policies. 'Video by Sonu Singh'
46.	16-7-21	10-00	Unit 5: STRATEGY EVALUATION Strategy Evaluation and Control - -–
47.	17-7-21	10-00	Operational Control
48.	20-7-21	11-00	Overview of Management Control
49.	21-7-21	9-00	Focus on Key Result Areas. – 'Video by Sonu Singh'
50.	23-7-21	10-00	Revision
51.	24-7-21	10-00	Revision
52.	27-7-21	11-00	Revision
53.	28-7-21	9-00	Revision
54.	30-7-21	10-00	Revision
55.	31-7-21	10-00	Revision
56.	3-8-21	11-00	Revision

RECOMMENDED BOOKS:

1. Dr. Aswathappa, Business Environment for Strategic Management, Tata McGraw Hill.

2. Subbarao: Business Policy and Strategic Management, HPH.56
3. Charles W.L Hill and Gareth R. Jones, Strategic Management an Integrated Approach, Cengage Learning
4. Azhar Kazmi, Business Policy and Strategic Management, Tata McGraw Hill

Signature of the Faculty **Signature of the HOD** 19/4/2021 **Signature of the Principal**

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LESSON PLAN

Subject Name: BM **Course: BBA** **Semester: VI**

Faculty Name: Rohini Yathish **Preparation date: 19/04/2020** **Section: A**

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Internal Quality Assurance Cell (IQAC)

MBA

LESSON PLAN — **SUBJECT** MANAGERIAL SKILLS

Week	Date From	Date To	Topics Planned
I	21/2/22	26/2/22	Introduction to Essential SKills for Managers : Definition, Importance, Problem Solving, Critical thinKing.
II	28/2/22	5/3/22	Creativity, Leadership, Collaboration & Communication, Interpersonal SKills, Fdward planning - Strategic thinKing.
III	7/3/22	12/3/22	Motivation, Empathy, Value & Culture. Communication SKills - Fundamental Types - hOizontal, Vertical, Oal and Written Communication.
IV	14/3/22	19/3/22	Email Etiquettes, Virtual meetings Delegation, Assigning TasKs, Fundamentals of Communication
V	21/3/22	26/3/22	Building Communication Matrix Report Writing – Meaning, Types, Structure of Report Writing.
VI	28/3/22	2/4/22	Journaling and FeedbacK. Motivation SKills - Introduction, Meaning, Hierarchy of Motivation.
VII	4/4/22	9/4/22	Power of Motivation, Purpose of Motivation, 8 SKills of Motivation, Situational Motivation.
VIII	11/4/22	16/4/22	Stimulus Control, Solving Behavioral Problems, Motivating Teams, Key to Intrinsic Motivation, Sgn cycles.

Teacher's Signature

HOD's Signature

LESSON PLAN — **SUBJECT** MANAGERIAL SKILLS

Week	Date From	Date To	Topics Planned
IX	18/4/22	23/4/22	Team Fdmation SKills - Introducti -on, Meaning, Types, Team Structure, Stages of Team Development
X	25/4/22	30/4/22	Writing a Team charter, Roles & Responsibilities of a Team, Leading Teams, Team Facilitation.
XI	2/5/22	7/5/22	Listening SKills – Introduction, Meaning, Importance of listening, Need of listening, Types.
XII	9/5/22	14/5/22	Empathic Listening, Littering, Judgement, Developing SKills, Anato -my of Poor listening.
XIII	16/5/22	21/5/22	Body Language, FeedbacK Interpersonal SKills Fdr Managers Introduction, Fdms, Building Trus
XIV	23/5/22	28/5/22	Emotional Intelligence, Empathy Vulnerability, Littering SKills, Negotiations SKills - Types.
XV	30/5/22	4/6/22	Persuading & Influencing others Differing in Ideas, Self Confiden -ce, FeedbacK.
XVI			

Teacher's Signature

HOD's Signature

RECORD OF CLASS WORK

SUBJECT Managerial Skills [A]

Date	Period	Topics Covered	Teacher's Signature	HOD's Signature
21/2/22	9:15	Introduction, Meaning, Definition	PS	
26/2/22	11:15	Importance of Managerial Skills	PS	
28/2/22	9:15	Problem Solving, Critical thinking	PS	
5/3/22	11:15	Creativity, Leadership, Culture	PS	
7/3/22	9:15	Communication Skills - Types, Meaning	PS	
14/3/22	9:15	Email Etiquettes, Virtual Meeting	PS	
19/3/22	11:15	Delegation, Assigning Tasks	PS	Unit test
21/3/22	3-4	Building Communication Matrix	PS	
26/3/22	12:15	Report Writing - Types, Structure	PS	
28/3/22	9:15	Motivation - Meaning, Hierarchy	PS	
9/4/22	10:15	Power, Purpose, & Skills of Motivation	PS	
11/4/22	11:15	Stitutional Motivation, Stimulus	PS	
18/4/22	9:15	Control, Motivating Teams	PS	
25/4/22	10:15	Team Formation Skills, Types	PS	
30/4/22	12:15	Meaning, Team structure	PS	
9/5/22	10:15	Stages of Team Development	PS	
13/5/22	11:15	Roles & Responsibilities of a Team	PS	
14/5/22	11:15	Listening Skills - Meaning, Need	PS	
14/5/22	12:15	Importance, Types of listening	PS	Unit test
19/5/22	2-3	Judgement, Body language	PS	
21/5/22	12:15	Anatomy of Poor listening	PS	
23/5/22	10:15	Feedback, types of feedback	PS	
27/5/22	2-3	Interpersonal Skills for Managers	PS	
28/5/22	10:15	Forms, Introduction, Empathy	PS	
30/5/22	10:15	Emotional Intelligence, Vulnerability	PS	
1/6/22	9:15	Negotiation Skills - types	PS	
4/6/22	10:15	Listening Skills, Feedback	PS	

RECORD OF CLASS WORK

SUBJECT Managerial Skills [B]

Date	Period	Topics Covered	Teacher's Signature	HOD's Signature
22/2/22	2-3	Introduction, Meaning, Definitions		
23/2/22	1-2	Importance of Managerial Skills		
25/2/22	2-3	Problem Solving, Critical thinking		
2/3/22	1-2	Creativity, Leadership, Culture		
15/3/22	2-3	Communication Skills - Types		Verified
16/3/22	2-3	Email, Etiquettes, Virtual Meeting		
30/3/22	1-2	Delegation, Assigning Tasks		
12/4/22	2-3	Building Communication Matrix		
13/4/22	1-2	Report Writing - Types, Structure		
26/4/22	2-3	Motivation - Meaning, Hierarchy		
27/4/22	3-4	Power, Purpose, & Skills of Motivation		
4/5/22	1-2	Team formation Skills, Types		
4/5/22	2-3	Meaning, Team Structure		
11/5/22	1-2	Stages of Team Development		
11/5/22	2-3	Roles & Responsibilities of Team		
25/5/22	1-2	Listening Skills - Meaning, Need		
25/5/22	2-3	Importance, Types of Listening		Verified
25/5/22	3-4	Judgement, Body Language		
31/5/22	2-3	Anatomy of Poor listening		
31/5/22	3-4	Feedback, Types of Feedback		
1/6/22	1-2	Interpersonal Skills for Managers		
1/6/22	2-3	Rime, Introduction, Empathy		
2/6/22	1-2	Emotional Intelligence, Vulnerability		
3/6/22	1-2	Negotiation Skills - Types		
4/6/22	11:15	Influencing others, Self Confidence		

LESSON PLAN

SUBJECT Marketing for Customer Value

Week	Date From	Date To	Topics Planned
I	21.02.2022.	26.02.2022.	Concept, nature, Scope & importance of marketing
II	28.02.2022	05.03.2022.	Marketing concept & its evolution Marketing Mix Strategic marketing plan
III	07.03.2022	12.03.2022	Mkt Analysis & Selection marketing environment - macro & micro Concept of segmentation
IV	14.03.2022.	19.03.2022	Bases of mkt segmentation Effective segmentation criteria Evaluating & Selecting Target positioning
V	21.03.2022	26.03.2022.	Concept of product, classification product decisions, product line & mix.
VI	28.03.2022	02.04.2022	Branding, packaging & labeling PLC - NPD & Consumer adoption process pricing decisions factors policies
VII	04.04.2022	09.04.2022	Distribution channels & physical distribution - Nature, functions & Types
VIII	11.04.2022	16.04.2022	Channel intermediaries, channel mgt decisions Retailing & wholesaling

Teacher's Signature

HOD's Signature

LESSON PLAN

SUBJECT Marketing for Customer Value

Week	Date From	Date To	Topics Planned
IX	18.04.2022	23.04.2022.	Comm process, promotion mix advertising, personal selling
X	25.04.2022	30.04.2022	Copy design & testing Advertising budget Sales promotion, PR, Publicity
XI	02.05.2022	07.05.2022	Sales promotion tools & techniques.
XII	09.05.2022.	14.05.2022.	meaning & Scope of mktg research mktg research process, mktg info & control
XIII	16.05.2022.	21.05.2022	Social, ethical & legal aspects of marketing mktg of services
XIV	23.05.2022	28.05.2022.	International marketing Green mktg Relationship mktg & other developments
XV	30.05.2022	04.06.2022	Cyber marketing
XVI			

Teacher's Signature

HOD's Signature

LESSON PLAN — **SUBJECT** Organizational Behaviour

Week	Date From	Date To	Topics Planned
I	22/2/22	26/2/22	Module 1: Nature and principles of Mgt. Evolution of Mgt, Skills of managers, Foundations of OB.
II	28/2/22	6/3/22	OB Models, Reasons for studying OB, Benefits of OB, OB is an inter-disciplinary subject.
III	7/3/22	12/3/22	Challenges & opportunities of OB Management practices, Indian contribution to mgt.
IV	14/3/22	19/3/22	Module 2: Personality shaping of personality, type of personalities, Determinants of Personality.
V	21/3/22	26/3/22	Perception: components of Perception, perceptual process, Barriers to Perception
VI	28/3/22	3/4/22	Attitudes: Changing Attitudes, Work related attitudes, components and types of Attitudes
VII	4/4/22	9/4/22	Values & Human Dignity Module 3: Motivation theories: Maslow's, Herzberg's, Alderfers, Vroom
VIII	11/4/22	16/4/22	Adams Equity theory, emp involvement, Quest management, Work stress model, stress & Performance, Social system in Orgs.

Teacher's Signature

HOD's Signature

LESSON PLAN — **SUBJECT** Organizational Behaviour

Week	Date From	Date To	Topics Planned
IX	18/4/22	23/4/22	Group and Team Dynamics, Group Development, group decision making, types of teams, teams vs Group
X	25/4/22	30/4/22	Team issues & effective teamwork, leadership management, Theories of leadership
XI	2/5/22	7/5/22	leadership styles, power & politics, Module 4: communication & conflict, Org comm, tools used in comm.
XII	9/5/22	14/5/22	External comm, changing trends of conflict, process of conflict, conflict resolution, Johari Window.
XIII	16/5/22	21/5/22	Module 5, Org Structure, types Org structure, org design for, influ. Org. Culture, creating and
XIV	23/5/22	28/5/22	sustaining a positive culture, Chan culture Module 6: Org. Development Types of change, Forces for Cha
XV	30/5/22	4/6/22	Resistance to Change, OD Techn Human resource Policies, Revision of Syllabus.
XVI			

Teacher's Signature

HOD's Signature

Organizational

RECORD OF CLASS WORK

SUBJECT Behavioural

Date	Period	Topics Covered	Teacher's Signature	HOD's Signature
	9:15	Evolution of Management		
22/2	9:15	Skills of managers.		
24/2	11:15	Indian Contributions to Mgt.		
25/2	9:15	Foundations of OB		
26/2	9:15	OB Models		
3/03	9:15	Reasons of studying OB		
4/03	11:15	OB as an inter-disciplinary subject		
5/03	9:15	Challenges & opportunities of OB		
8/03	9:15	Shaping of Personality		
10/3	9:15	Types of personality		
11/3	11:15	Determinants of Personality		
12/3	9:15	personality & Work Perception		
15/3	9:15	Theories of personality		
17/3	19:15	perception, components		
18/3	11:15	Perceptual Process		
19/3	9:15	Perception influencing Decision		
25/3	9:15	Learning, Theories of learning		
26/3	9:15	Classical & operant conditioning		
29/3	11:15	Principles of Reinforcement, Social Theo.		
31/3	9:15	Attitudes - changing, Work-related		
9/4	9:15	components & types of attitudes		
10/4	9:15	Values & Human Dignity		
21/4	11:15	Motivation - framework,		
20/4	9:15	Maslow's, Herzberg,		
26/4	9:15	Alderfer's ERG, Vroom's, Adams'		
28/4	9:15	Motivation in Work settings		
29/4	11:15	Work stress model.		
30/4				

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RECORD OF CLASS WORK

SUBJECT Organizational Behaviour

Date	Period	Topics Covered	Teacher's Signature	HOD's Signature
23/2	10:15	Evolution of Management		
24/2	11:15	Skills of Manager		
25/2	9:15	Indian Contribution to mgt		
26/2	11:15	Foundation of OB		
2/3	10:15	OB Models		
3/3	11:15	Reasons to study OB		Verified
4/3	9:15	OB as an inter-disciplinary sub		
6/3	11:15	Challenges & opportunities of OB		
7/3	10:15	Shaping of Personality		
9/3	11:15	Types of Personality		
10/3	9:15	Determinants of Personality		
11/3	11:15	Personality & Work Perception		
12/3	10:15	Theories of Personality		
16/3	11:15	perception components		
17/3	9:15	Perceptual Process		
18/3	11:15	Perception influencing decision		
19/3	10:15	Learning, Theories of learning		
19/3	91:15	Classical conditioning Theory		Verified
23/3	9:15	Operant conditioning Theory		
25/3	11:15	Principles of Reinforcement		
26/3	10:15	Social Learning - Albert Bandura		
30/3	11:15	Attitudes - changing & Work-related		
31/3	9:15	components & types of Attitudes		
1/4	11:15	Values & Human Dignity		
8/4	10:15	Motivation Framework		
9/4	11:15	Maslow's Theory, Herzberg's		
13/4	9:15	Alderfer's ERG, Vroom's, Adams		

LESSON PLAN

SUBJECT: Accounting for Managers

Week	Date From	Date To	Topics Planned
I	21-02-2022	28-02-2022	MODULE-1: Conceptual Basis of Accounting Introduction, Meaning and definition, Understanding forms of business organizations Framework and process of accounting Journalising, Ledger Posting
II	01-03-2022	08-03-2022	Preparation of Trial Balance, Objectives and purpose of accounting information, users of accounting information, Branches of Accounting, Basic Terminology
III	09-03-2022	16-03-2022	Fraud and Ethical Issues in Accounting MODULE-2 Orientation to Financial Statements, Financial Statement of Companies: Income statement, Balance Sheet, Terms in financial statements Accounting Concepts
IV	17-03-2022	24-03-2022	Conventions, Statement of Changes in Equity, Cash flow statement and Notes to accounts. Orientation to Indian Accounting Standards.
V	25-03-2022	01-04-2022	MODULE-3: Analysing & Interpreting FS Objectives of financial statement analysis sources of information, standards of comparision, Quality of Earnings
VI	03-04-2022	08-04-2022	Window dressing, Beating window dressing, Presentation of financial Statement for analysis and interpretation. Analysing financial statements - Ratio Analysis
VII	11-04-2022	16-04-2022	Du-Pont Analysis, Altmans Z score, Modified C score, Piotroski's F score; Trend Analysis, Comparative Statements, Common Size Statements, Reading Cash flow Statements
VIII	18-04-2022	23-04-2022	MODULE 4: Orientation to Cost Accounting Meaning of costs, Classification of costs Based on Elements, functions and Behavior

Teacher's Signature

HOD's Signature

LESSON PLAN

SUBJECT: Accounting for Managers

Week	Date From	Date To	Topics Planned
IX	25-04-2022	30-04-2022	Cost Ascertainment and preparation of Cost Sheet - Problems
X	02-05-2022	07-05-2022	MODULE 5: Managerial Decision Making Cost Management - Techniques for Controlling and reducing cost - Marginal Costing and CVP Analysis
XI	16-05-2022	21-05-2022	Decision Areas - Make or Buy, Profitable Product mix - Addition of new product line Budgetary Control - Preparation of flexible budgets and reporting variances
XII	23-05-2022	28-05-2022	MODULE 6: Trends and Developments in Accounting Orientation to accounting packages. Cloud Accounting, Responsibility Accounting Forensic Accounting
XIII	30-05-2022	04-06-2022	Human Resource Accounting, Corporate Social Reporting (Triple Bottom line). Environmental Accounting.
XIV			
XV			
XVI			

Teacher's Signature

HOD's Signature

RECORD OF CLASS WORK

SUBJECT AFM

Date	Period	Topics Covered	Teacher's Signature	HOD's Signature
		MODULE - 1		
21.02.2022	2.00-3.00	Meaning and Definition and Process of Accounting		
22.02.2022	9.15-10.15	Understanding various forums of business		
23.02.2022	11.15-12.15	Journal Entries - Introduction		
26.02.2022	9.15-10.15	Journal Entries - Problems		
02.03.2022	11.15-12.15	Journal Entries - Problems		
05.03.2022	9.15-10.15	Journal Entries - Problems		
07.03.2022	2.00-3.00	Ledger Posting - Problems		
07.03.2022	3.00-4.00	Ledger Posting - Problems		
09.03.2022	11.15-12.15	Trial Balance - Objectives, Purpose		
14.03.2022	2.00-3.00	Users of Accounting Info. Basic Terminology		
15.03.2022	9.15-10.15	Fraud and Ethical Issues in Accounting		
		MODULE - 2		
16.03.2022	11.15-12.15	Income Statements - Problems		
16.03.2022	2.00-3.00	Income Statement - Problems		
19.03.2022	9.15-10.15	Income Statement - Problems		
19.03.2022	10.15-11.15	Balance Sheet - Problems		
22.03.2022	9.15-10.15	Balance Sheet - Problems		
25.03.2022	10.15-11.15	Balance Sheet - Problems		
26.03.2022	9.15-10.15	Balance Sheet - Problems		
26.03.2022	11.15-12.15	Balance Sheet - Problems		
28.03.2022	2.00-3.00	Cash Flow Statement - Problems		
29.03.2022	9.15-10.15	Cash Flow Statement - Problems		
30.03.2022	11.15-12.15	Cash Flow Statement - Problems		
31.03.2022	10.15-11.15	Cash Flow Statement - Problems		
02.04.2022	11.15-12.15	Statement of changes in Equity & ISS		
		MODULE - 3		
09.04.2022	9.15-10.15	Objectives of FSA, Sources of information		
11.04.2022	2.00-3.00	Standards of Comparision, Quality of Earning		
12.04.2022	9.15-10.15	Window Dressing & Beating Window Dressing		

RECORD OF CLASS WORK

SUBJECT AFM

Date	Period	Topics Covered	Teacher's Signature	HOD's Signature
12.04.2022	10.15-11.15	Ratio Analysis - Introduction & Formulae		
13.04.2022	11.15-12.15	Ratio Analysis - Problems		
18.04.2022	2.00-3.00	Ratio Analysis - Problems		
19.04.2022	9.15-10.15	Ratio Analysis - Problems		
20.04.2022	11.15-12.15	Dupont Analysis - P, F, Z, C Scores		
22.04.2022	9.15-10.15	Trend Analysis, Common Size & Comparative Statement Analysis		
22.04.2022	10.15-11.15	MODULE - 4 Meaning & Classification of Costs		
22.04.2022	11.15-12.15	Elements, Functions & Behavior of Costs		
26.04.2022	9.15-10.15	Cost Sheet preparation - Introduction		
27.04.2022	11.15-12.15	Cost Sheet preparation - Problems		
29.04.2022	1.00-2.00	Cost Sheet - Problems		
29.04.2022	2.00-3.00	Cost Sheet - Problems		
30.04.2022	9.15-10.15	MODULE - 5 Techniques for Controlling & reducing Cost		
07.05.2022	9.15-10.15	Marginal Costing, Absorption Costing, Uniform Costing		
07.05.2022	10.15-11.15	CVP Analysis - Introduction & Theory		
09.05.2022	2.00-3.00	CVP Analysis - Problems		
09.05.2022	3.00-4.00	CVP Analysis - Problems		
11.05.2022	11.15-12.15	CVP Analysis - Decision Areas - Problems		
13.05.2022	9.15-10.15	CVP Analysis - Decision Areas - Problems		
14.05.2022	9.15-10.15	CVP Analysis - Decision Areas - Problems		
17.05.2022	9.15-10.15	Budgetary Control - Introduction & Theory		
17.05.2022	10.15-11.15	Preparation of Flexible Budgets		
21.05.2022	9.15-10.15	Preparation of Flexible Budgets - Problems		
23.05.2022	2.00-3.00	Preparation of Flexible Budgets - Problems		
25.05.2022	11.15-12.15	Preparation of Flexible Budgets - Problems		
26.05.2022	10.15-11.15	Preparation of Flexible Budgets - Problems		
28.05.2022	9.15-10.15	Reporting Variances in Budgets & Trend Analysis		

LESSON PLAN

SUBJECT Project and operations Management (PoM)

Week	Date From	Date To	Topics Planned
I	24.11.2021	27.11.2021	Definition of project, Programme and portfolio Management, Difference between Project and operations Management, Ten Subsystem and brief introduction to all Subsystem
II	29.11.2021	04.12.2021	Integration Management, Scope Management, Time Management, Cost Management, Procurement, Risk, stakeholder and Communication Management.
III	06.12.2021	11.12.2021	Introduction to project life cycle, Introduction to PERT/CPM & problems and cases, Resource leveling, Scheduling with limited resources, WBS (work Break down structuring)
IV	13.12.2021	18.12.2021	WBS through MS project, Arranging activities as per precedence, Network planning, Resource planning, Review and Monitoring, Project team Management, EVA in Project Mgmt
V	20.12.2021	25.12.2021	Budgeting and Costing, Concept of Earned Value, Risk Management, Concept of Risk Management and identification of Risk, Quantification of Risk and problems in Project Management through Risk analysis.
VI	27.12.2021	01.01.2022	Nature and scope of production and operations Management, its relationship with other systems in organizations.
VII	03.01.2022	08.01.2022	Forecasting as a planning tool, forecasting types and methods. facility planning: facilities location decisions, factors affecting facility location decisions.
VIII	10.01.2022	15.01.2022	facility Layout planning: Layout and its objectives for Manufacturing operations, principles, types of plant layouts, Product layout, process layout, hybrid layout

Teacher's Signature

HOD's Signature

LESSON PLAN

SUBJECT Project and operations Management (PoM)

Week	Date From	Date To	Topics Planned
IX	17.01.2022	22.01.2022	factors influencing layout changes. Introduction to lean operations and elimination of 7 wastes (Muda). Quality Management, Tools and techniques for quality improvements.
X	24.01.2022	29.01.2022	TQM Model, Service Quality, Concept of Six Sigma and its applications. Juran's quality trilogy, Deming's 14 principles, PDCA Cycle, Quality circles, 7QC tools
XI	31.01.2022	05.02.2022	Introduction to ISO 9000 and QS9000. Productivity & its types, Materials Management: Roles, Material and profitability, Purchase functions, Concept of lead time.
XII	07.02.2022	12.02.2022	Inventory Management: Concept of inventory types, classification, Selective inventory management, ABC,
XIII	14.02.2022	19.02.2022	VED and FSN analysis. Inventory costs, Inventory Models, EOQ, Safety Stocks, Re order point, Quantity discounts.
XIV			
XV			
XVI			

Teacher's Signature

HOD's Signature

Section 'A'

RECORD OF CLASS WORK

SUBJECT Project and Operations Management

Date	Period	Topics Covered	Teacher's Signature	HOD's Signature
24/11/2021	2	Definition of Project, Programme and Portfolio Management		
25/11/21	1	Difference b/w project & operations Management		
27/11/21	2	Ten subsystem and Integration Management,		
09/12/21	1	Scope, Time, cost, procurement, Risk,		
11/12/21	2	Stakeholder and Communication Management		
13/12/21	3	Introduction to Project life cycle,		
15/12/21	2	Introduction to PERT/CPM & Problem, Cases		
16/12/21	1	Resource leveling, Scheduling, WBS		
18/12/21	2	Budgeting and Costing, Concept of Earned value		
18/12/21	3	Risk Management, Concept of Risk Mgmt		
22/12/21	2	Identification of Risk, Problems in		
27/12/21	3	Project Management through Risk analysis.		
29/12/21	2	Forecasting as a planning tool, forecasting		
30/12/21	1	types and Methods. Facility Planning		
03/01/2022	3	Facilities location decisions		
05/01/22	2	Facility Layout Planning		
06/01/22	1	Principles, types of plant layout		
08/01/22	2	Factors influencing layout changes		
10/01/22	3	Introduction to lean operations		
12/01/22	2	Elimination of 7 Wastes (Muda's)		
17/01/22	3	Quality Management: Tools & Techniques		
19/01/22	2	TQM Model, Service Quality		
20/01/22	1	Concept of Sig Six Sigma and its applications		
22/01/22	2	Juran's Quality Trilogy		
24/01/22	3	Deming's 14 principles, PDCA cycle		
27/01/22	1	Quality circles, 7QC tools		
29/01/22	2	Introduction of ISO 9000 and QS9000		

INDIAN

LESSON PLAN **SUBJECT**

Week	Date		Topics Planned
	From	To	
I	24/11/2021	4/12/2021	MODULE 1: Indian financial System - features, Constituents of financial system - financial Institutions, financial Services, financial Markets and financial Instruments
II	6/12/2021	11/12/2021	Overview of Global financial System. MODULE 2: Meaning of financial Institution Special characteristics, Broad Categories Money Market Institutions
III	13/12/2021	18/12/2021	Capital Market Institutions - IFCI, IDBI, SFC, ICICI
IV	20/12/2021	25/12/2021	EXIM Bank, NSIDC, NIDC, LIC, UTI & India
V	27/12/2021	01/01/2022	MODULE 3: NBFC - Meaning, Registration Principle business of NBFC, Structure
VI	03/01/2022	08/01/2022	NBFC supervision, RBI measures for NBFCs and other measures.
VII	10/01/2022	15/01/2022	MODULE 4: financial Services - Concept - objectives / functions, Characteristics Classification
VIII	17/01/2022	22/01/2022	Regulatory framework, Merchant Banking, Mutual funds

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HOD's Signature

FINANCIAL

LESSON PLAN **SUBJECT** IFS

Week	Date		Topics Planned
	From	To	
IX	24/01/2022	29/01/2022	Leasing, Hire Purchase, Credit Rating
X	31/01/2022	05/02/2022	MODULE 5: Meaning and definition of financial Markets, Role and functions, Constituents of financial Market
XI	07/02/2022	12/02/2022	Money Market Instruments & Capital Market Instruments
XII	14/02/2022	19/02/2022	MODULE 6: Stock Exchanges - Meaning and definition, Role and functions
XIII	21/02/2022	26/02/2022	Regulatory framework of Stock Exchanges
XIV	28/02/2022	05/03/2022	Profile of Indian stock exchanges BSE & NSE
XV	07/03/2022	12/03/2022	Listing of Shares & Trading of Shares.
XVI	12/03/2022		Internal Test

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LESSON PLAN Sec C & D **SUBJECT** SMCG

Week	Date		Topics Planned
	From	To	
I	3 Jan 23	6 Jan 23	Historical Perspective of Strat mgt, Conceptual framework for Strat Mgt, Concept of Strategy & Strat formulation Process
II	10 Jan 23	13 Jan 23	Stakeholders in business, Vision, Mission & Purpose, Business definition, objectives & goals, The SM Model, PESTEL Analysis.
III	17 Jan 23	20 Jan 23	SWOT Analysis, Porters Five Forces Model, The competitive Profile matrix, Globalization & Industry Structure.
IV	24 Jan 23	27 Jan 23	Resources Capabilities & Competencies Value Chain Analysis, Core Competencies, Generic Building blocks of competitive advantage.
V	31 Jan 23	3 Feb 23	Distinctive competencies, Avoiding failures and sustaining Competitive Advantage, Corp level strategies, Stability, Expansion, Retenchment and combination strategies
VI	7 Feb 23	10 Feb 23	Strategy in Global Environment, Vertical Integration, Diversification and strat alliances.
VII	14 Feb 23	17 Feb 23	Building & Restructuring the corp; Strat analysis and choice. Environmental Threat & opportunity profile, Corp portfolio analysis. GAP Analysis.
VIII	21 Feb 23	24 Feb 23	Mckinsey's 7S Framework, GE 9 Cell model, BCG Matrix, Bal scorecard, IFV matrix The Implementation process, Resource allocation.

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LESSON PLAN Sec C & D **SUBJECT** S M C G

Week	Date		Topics Planned
	From	To	
IX	28 Feb 23	03 Mar 23	Designing org structure, Designing strat control systems, matching structure & control to strategy.
X	7 Mar 23	10 Mar 23	Implementing strat change, Politics, Power & conflict, strat eval & control. managing technology & Innovation.
XI	14 Mar 23	17 Mar 23	Blue Ocean Strategy, Managing in an economic crisis, New Directions in strat thinking.
XII	21 Mar 23	24 Mar 23	Strat issues for non profit Org, Small Scale industries, New Business models, and Strategies for International economies.
XIII	28 Mar 23	31 Mar 23	Defining corp governance, CG & relationship between internal & External stakeholders. Org's responsibilities & accountability.
XIV	4 Apr 23	7 Apr 23	Org's accountability to BoD, Roles and responsibility of the Board, Integrity & ethical behaviours, Disclosure and Transparency.
XV	25 Apr 23	28 Apr 23	Development & Critical appraisal of Corp governance in India Student's presentations on assignments.
XVI			

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HOD's Signature

DAYANANDA SAGAR COLLEGE OF ARTS SCIENCE AND COMMERCE

Shavige Malleshwara Hills, Kumarswamy Layout, Bangalore-560082

Internal Quality Assurance Cell (IQAC)

BCA

LESSON PLAN

Subject Name : BCA305T : Operating Systems Course : BCA Semester : III

Faculty Name : Dr. KAVITHA S. Preparation Date : 14/9/2020 Section : B

Section No.	Date	Time	Topics Planned
1	14/9	10:00-11:00	Batch Systems, Concepts of multiprogramming
2	15/9	11:00-12:00	parallel, Distributed and Real time Systems
3	16/9	10:00-11:00	Structures, Components & Services of OS
4	17/9	11:00-12:00	System calls, System programs
5	19/9	10:00-11:00	virtual machines - Example.
6	21/9	10:00-11:00	process management, process concept
7	22/9	11:00-12:00	process scheduling
8	23/9	10:00-11:00	Co-operating process
9	24/9	11:00-12:00	Threads
10	25/9	9:00-10:00	Interprocess communication
11	26/9	10:00-11:00	CPU scheduling criteria, scheduling
12	28/9	10:00-11:00	Scheduling algorithm
13	29/9	12:00-1:00	Scheduling - Multiple processor
14	30/9	10:00-11:00	process Synchronization
15	1/10	11:00-12:00	The Critical Section problem
16	3/10	10:00-11:00	Synchronization hardware
17	5/10	10:00-11:00	Semaphores
18	6/10	11:00-12:00	classical problems of Synchronization
19	9/10	9:00-10:00	classical problems - continued
20	12/10	10:00-11:00	Classical problems continued
21	14/10	10:00-11:00	critical regions
22	15/10	11:00-12:00	Monitors
23	16/10	9:00-10:00	Deadlocks - System model
24	17/10	10:00-11:00	deadlock prevention
25	18/10	11:00-12:00	Deadlock avoidance, detection
26	19/10	10:00-11:00	Recovery from deadlock.
27	21/10	10:00-11:00	Memory management
28	22/10	11:00-12:00	Logical and physical address space
29	23/10	9:00-10:00	Swapping
30	28/10	10:00-11:00	Contiguous allocation
31	29/10	11:00-12:00	paging scheme
32	2/11	10:00-11:00	paging scheme - continued.
33	4/11	10:00-11:00	segmentation
34	5/11	11:00-12:00	segmentation - continued-
35	6/11	9:00-10:00	segmentation with paging

Section No.	Date	Time	Topics Planned
36	7/11	10:00-11:00	virtual memory
37	9/11	10:00-11:00	virtual memory - continued
38	11/11	10:00-11:00	Demand paging and it's performance
39	13/11	9:00-10:00	demand paging continued.
40	19/11	11:00-12:00	page replacement algorithms
41	20/11	9:00-10:00	page replacement algorithms
42	21/11	10:00-11:00	Allocation of frames.
43	23/11	10:00-11:00	Demand Segmentation
44	25/11	10:00-11:00	File management, File concepts
45	26/11	11:00-12:00	File access methods
46	29/11	9:00-10:00	File access methods
47	28/11	10:00-11:00	Directory structure
48	30/11	10:00-11:00	protection and consistency
49	7/12	11:00-12:00	File system structure
50	2/12	10:00-11:00	Allocation methods.
51	4/12	9:00-10:00	Free space management
52	5/12	10:00-11:00	Free space management - continued
53	7/12	10:00-11:00	Linked list and counting.
54	10/12	11:00-12:00	Disk management
55	11/12	11:00-12:00	Security - Network
56	12/12	10:00-11:00	Access Matrix.
57	14/12	9:00-10:00	Virus, Types. Definition
58	16/12	9:00-10:00	Antivirus, threats.
59	17/12	11:00-12:00	Multi threads.
60	18/12	10:00-11:00	Security issues
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Arunadevi C

LESSON PLAN

Subject Name : Data Structures Course : B1A Semester : I sem

Faculty Name : Diwakara Varuman Preparation Date : Section : A sec

Section No.	Date	Time	Topics Planned
1	2/11/21	11:00 - 12:00	Introduction & Overview: Definition
2	4/11/21	8:45 - 10:45	Elementary data organization, Data Structure
3	6/11/21	8:45 - 09:45	Data Structure operations, Abstract data type
4	11/11/21	9:45 - 10:45	Algorithms complexity, time space trade off
5	11/11/21	9:45 - 10:45	Preliminaries: Mathematical function & notations
6	12/11/21	2:00 - 3:00	Algorithmic notation, control structures
7	17/11/21	8:45 - 9:45	Complexity of Algorithms, asymptotic notations
8	18/11/21	8:45 - 9:45	Arrays: Definition, linear array, array as ADT
9	20/11/21	9:45 - 10:45	Representation of linear array in Memory
10	24/11/21	8:45 - 9:45	Traversing LA, Inserting, deletion, Multidimensional
11	25/11/21	9:45 - 10:45	Matrix and Sparse Matrix
12	26/11/21	2:00 - 3:00	Linked list: definition, Representation of singly linked list
13	1/12/21	8:45 - 9:45	Traversing a linked list, Searching a linked list
14	2/12/21	9:45 - 10:45	Memory allocation, Garbage collection,
15	3/12/21	2:00 - 3:00	Insertion into a singly linked list, Deletion,
16	8/12/21	8:45 - 9:45	Doubly linked list, Header & circular linked list
17	15/12/21	9:45 - 10:45	Stacks: Definition, Array representation, linked
18	16/12/21	2:00 - 3:00	Representation of stacks, Stacks as ADT,
19	16/12/21	9:45 - 10:45	Arithmetic Expression, Polish Notation,
20	17/12/21	2:00 - 3:00	Conversion of infix to postfix expression
21	17/12/21	2:00 - 3:00	Evaluation of postfix expression, Application of stack
22	24/12/21	8:45 - 9:45	Recursion, towers of Hanoi
23	24/12/21	8:45 - 9:45	Queue: Definition, Array representation of Queue
24	29/12/21	8:45 - 9:45	linked list representation of queue, Types of Queue
25	29/12/21	8:45 - 9:45	Simple Queue, Circular queue
26	29/12/21	8:45 - 9:45	Double ended queue, Priority queue
27	30/12/21	9:45 - 10:45	Operation on queue, Application of queue
28	30/12/21	9:45 - 10:45	Binary Trees, Definition, Tree Search
29	5/1/22	8:45 - 9:45	Traversal of B.T
30	5/1/22	8:45 - 9:45	Tree sort
31	7/1/22	2:00 - 3:00	Building a BST
32	7/1/22	2:00 - 3:00	Height Balance
33	11/1/22	8:45 - 9:45	AVL Trees
34	12/1/22	8:45 - 9:45	Contiguous Representation of B.T

Section No.	Date	Time	Topics Planned
35	13/1/22	9.45 - 10.45	Heap. Lexicographic Trees
36	14/1/22	2.00 - 3.00	Tries, External Searching
37	19/1/22	8.45 - 9.45	B-Trees, Application of Trees
38	20/1/22	9.45 - 10.45	Graph. Mathematical Background
39	21/1/22	2.00 - 3.00	Computer Representation
40	27/1/22	8.45 - 9.45	Graph Traversal
41	28/1/22	9.45 - 10.45	Topological Sorting
42	2/2/22	2.00 - 3.00	Searching Introduction
43	3/2/22	8.45 - 9.45	Sequential Search
44	4/2/22	9.45 - 10.45	Binary Search
45	7/2/22	2.00 - 3.00	Comparison of Methods
46	9/2/22	8.45 - 9.45	Sorting Introduction & Notation
47	10/2/22	9.45 - 10.45	Insertion Sort
48	11/2/22	2.00 - 3.00	Selection Sort
49	16/2/22	8.45 - 9.45	Shell sort
50	22/2/22	9.45 - 10.45	Divide & Conquer
51	23/2/22	2.00 - 3.00	Merge sort for linked list
52	3/3/22	8.45 - 9.45	Quick sort for contiguous list.
53	3/3/22	8.45 - 9.45	Hashing
54	3/3/22	8.45 - 9.45	Sparse Tables
55	4/3/22	9.45 - 10.45	Choosing a Hash function
56	4/3/22	9.45 - 10.45	Collision Resolution with open Addressing
57	4/3/22	9.45 - 10.45	Collision Resolution by chaining
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LESSON PLAN

Subject Name : Operating System Course : BCA Semester : III

Faculty Name : Dr. Kavitha. S Preparation Date : 11/10/21 Section : B

Section No.	Date	Time	Topics Planned
1	11/10/21	09:15-10:15	Syllabus discussed.
2	12/10/21	09:45-10:45	Introduction to operating Systems
3	13/10/21	9:45-10:45	services of operating systems.
4	18/10/21	11-12	functions of operating systems.
5	22/10/21	12-1	process control Block - PCB
6	26/10/21	9:45-10:45	process state diagram.
7	27/10/21	11-12	Multiprogramming operating system
8	28/10/21	8:45-9:45	Time Sharing operating System.
9	30/10/21	12-1	parallel systems, Advantage. Disadvantages.
10	2/11/21	9:45-10:45	System calls
11	8/11/21	10-12	System calls.
12	10/11/21	11-12	Long term schedulers
13	11/11/21	8:45-9:45	Schedulers - Short term, Medium term
14	12/11/21	12-1	CPU scheduling Criteria.
15	15/11/21	11-12	First Come First Served CPU sched
16	17/11/21	9:45-10:45	SJF CPU Scheduling algorithms.
17	18/11/21	11-12	priority Scheduling algorithms.
18	18/11/21	12-1	Inter process communication.
19	19/11/21	12-1	process Synchronization
20	20/11/21	8:45-9:45	Critical section problem
21	24/11/21	9:45-10:45	synchronization hardware.
22	25/11/21	12-1	Semaphores.
23	26/11/21	12-1	Semaphores.
24	22/11/21	8:45-9:45	Classical problems of synchronization.
25	29/11/21	9:45-10:45	classical problems of synch
26	1/12/2021	9:45-10:45	critical regions.
27	2/12/21	12-1	Monitors.
28	3/12/21	12-1	Deadlocks
29	6/12/21	8:45-9:45	System model, Characterization.
30	9/12/21	12-1	deadlock prevention.
31	10/12/21	12-1	Deadlock avoidance.
32	11/12/21	8:45-9:45	Deadlock detection.
33	13/12/21	11-12	Recovery from deadlock.
34	15/12/21	9:45-10:45	Memory management.
35	17/12/21	12-1	Logical and physical address space

Section No.	Date	Time	Topics Planned
36	18/12/21	8·45-9·45	Swapping.
37	20/12/21	11-12	Contiguous allocation.
38	22/12/21	9·45-10·45	Paging
39	23/12/21	12-1	paging.
40	24/12/21	12-1	Segmentation.
41	27/12/21	11-12	Segmentation with paging.
42	29/12/21	9·45-10·45	Virtual memory.
43	30/12/21	12-1	Demand paging
44	31/12/21	12-1	performance of demand paging.
45	1/1/2022	8·45-9·45	page replacement algorithms.
46	3/1/22	11-12	page replacement algorithms.
47	5/1/22	9·45-10·45	Allocation of frames.
48	6/1/22	12-1	Thrashing.
49	7/1/22	12-1	page size & considerations.
50	8/1/22	8·45-9·45	File management
51	10/1/22	11-12	file concepts.
52	12/1/22	9·45-10·45	file access methods.
53	13/1/22	12-1	Directory structure.
54	14/1/22	12-1	protection & consistency.
55	20/1/22	12-1	File system structure.
56	21/1/22	12-1	Allocation methods.
57	22/1/22	8·45-9·45	DISK scheduling methods.
58	24/1/22	11-12	DISK management.
59	27/1/22	12-1	Swap space management.
60	28/1/22	12-1	protection
61	29/1/22	8·45-9·45	Goals of protection, access matrix
62	31/1/22	11-12	OTP. Case studies
63	2/2/22	9·45-10·45	Revision
64	3/2/22	12-1	Revision.
65	4/2/22	12-1	Revision
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LESSON PLAN

Subject Name : Data Communication and Networks Course : BCA Semester : 5th

Faculty Name : Dr. Kumudavalli Preparation Date : 8/10/21 Section : B

Section No.	Date	Time	Topics Planned
1	11/10/21	9.45-10.45	Unit 1: Introduction to Network design; Network Goals
2	12/10/21	11.00-12.00	Network Topologies, Switching Techniques: Ckt/Msg/Pkt
3	18/10/21	9.45-10.45	Activity – Student Presentations on Topologies
4	25/10/21	9.45-10.45	Circuit Switching, Evolution of N/W Architecture & servi
5	26/10/21	8.45-9.45	Telegraph N/W, Message, Telephone N/W and Circuit Switc
6	27/10/21	11.00-12.00	Internet, Computer Network & Packet Switching
7	28/10/21	2.00-3.00	Essential elements of N/W Architecture & Key key factor
8	29/10/21	11.00-12.00	Unit: 2: OSI Reference Model
9	30/10/21	8.45-9.45	TCP/IP Model
10	2/11/21	8.45-9.45	Application Layer Protocols - TELNET, FTP, HTTP
11	2/11/21	9.45-10.45	IP Utilities like PING, TRACEROUTE, IPCONFIG, NETSTAT
12	4/11/21	2.00-3.00	Activity: Simulation based Video clippings demonstration
13	6/11/21	8.45-9.45	Unit-3: Digital representation of information, Properties of Dig
14	8/11/21	12.00-1.00	Characterization of Comm^ channel - Frequency & Time dom
15	9/11/21	8.45-9.45	Limits in digital transmission: Nyquist, Sheron, Line co
16	11/11/21	2.00-3.00	Digital modulation: ASK, FSK & PSK
17	13/11/21	8.45-9.45	Modem and its Operations
18	16/11/21	8.45-9.45	Wired Transmission - Twisted Pair, Coaxial, Fibre Optics
19	18/11/21	11.00-12.00	Wireless - Radio transmission, Infra-Red Light
20	22/11/21	12.00-1.00	Error detection and Correction methods - 2D Parity, Check
21	25/11/21	2.00-3.00	Polynomial codes & their Error detection capability.
22	27/11/21	8.45-9.45	Activity: Student Presentation on Errors (CRC)
23	29/11/21	12.00-1.00	Multiplexing: FDM & TDM
24	29/11/21	11.00-12.00	Wavelength Division Multiplexing, SONET
25	30/11/21	8.45-9.45	Circuit Switches: Space division Switches
26	4/12/21	8.45-9.45	Time division Switches
27	9/12/21	2.00-3.00	Unit-4: Connection Oriented & Connectionless Models
28	11/12/21	8.45-9.45	Peer to Peer in End-End and Single hop Network
29	13/12/21	12.00-1.00	ARQ Protocols: Stop and wait.
30	14/12/21	8.45-9.45	ARQ Protocols: gaback + N-ARQ, Selective Repeat
31	16/12/21	2.00-3.00	Peer-to Peer Protocols: Sliding Window, Flow contro
32	18/12/21	8.45-9.45	Timing Recovery for synchronous Services
33	20/12/21	12.00-1.00	TCP Reliable Stream Service and flow control
34	21/12/21	8.45-9.45	Data Link Control – Framing
35	23/12/21	2.00-3.00	Point to Point Protocol (PPP)

ection No.	Date	Time	Topics Planned
36	27/12/21	12.00-1.00	High level Data Link Control (HDLC)
37	28/12/21	8.45-9.45	Unit 5: Multiple access Communications
38	30/12/21	2.00-3.00	Random access MAC Protocols - ALOHA, CSMA, CSMA/CD
39	1/1/22	8.45-9.45	scheduling approaches to MAC - Reservation, TOken Passing
40	3/1/22	12.00-1.00	Comparison of random access & scheduling medium access
41	4/1/22	8.45-9.45	Channelization : FDMA, TDMA, CDMA
42	6/1/22	2.00-3.00	Unit 6: LAN Structure, MAC Sublayer, LLC
43	8/1/22	8.45-9.45	LAN Standards : Ethernet & IEEE 802.3 LAN, TOkenring
44	10/1/22	12.00-1.00	IEEE 802.5 LAN Standard, FDDI
45	11/1/22	8.45-9.45	Wireless LANs, IEEE 802.11 Standard
46	13/1/22	2.00-3.00	LAN bridges : Transparent bridges - Explanation
47	17/1/22	12.00-1.00	Source routing bridges
48	18/1/22	8.45-9.45	Mixed-media bridges
49	20/1/22	2.00-3.00	Unit 7: Packet Switching, N/W Services, Datagram, Virtual
50	22/1/22	8.45-9.45	Connectionless Packet Switching - Virtual Circuit PKt Switching
51	27/1/22	2.00-3.00	Routing in Packet N/Ws : Routing algorithms
52	29/1/22	8.45-9.45	Hierachical Routing, Shortest Path, Bellman Ford Alg.
53	31/1/22	12.00-1.00	Dijikstra's Alg, Link State routing, Distance vector
54	1/2/22	8.45-9.45	Congestion control - Open & closed loop control
55	3/2/22	2.00-3.00	Question Paper Pattern/Previous year QP discussion
56	5/2/22	8.45-9.45	QP Discussion Session.
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LESSON PLAN

Subject Name : JAVA Course : BCA Semester : 5th

Faculty Name : AMBIKA K.C. Preparation Date : Section : B

Section No.	Date	Time	Topics Planned
1	12/10/2021	10:00-11:00	Introduction to topic
2	22/10/2021	9:00-10:00	Introduction to WWW, Internet - Architecture
3	22/10/2021	10:00-12:00	Overview of Java Environment
4	26/10/2021	11:00-12:00	Simple Java Programs.
5	28/10/2021	11:00-12:00	Java Virtual Machines
6	28/10/2021	12:00-1:00	Introduction to Java Prog language, Difference btw Java and C & C++
7	8/11/2021	11:00-12:00	Data types, Arithmetic and logical Operators
8	9/11/2021	2:00-3:00	Relational, Arrignment operator, Increment and Decrement
9	11/11/21	11:00-12:00	Decision making statements
10	12/11/21	9:45-10:45	If..else, Nested if statements
11	15/11/21	11:00-12:00	while statements, do statement
12	16/11/21	2:00-3:00	For statement, nested loop statements
13	18/11/21	11:00-12:00	Activity - MCQ test
14	19/11/21	9:45-10:45	classes and objects
15	23/11/21	2:00-3:00	Adding members, creating objects
16	25/11/21	11:00-12:00	Accessing members variables, constructo
17	26/11/21	9:45-10:45	Methods overloading
18	29/11/21	11:00-12:00	static variables, static methods, static b
19	30/11/21	2:00-3:00	Inheritance, overriding methods, Examples
20	3/12/21	9:45-10:45	Abstract methods and classes, Examples
21	9/12/21	11:00-12:00	questions and Answers session
22	10/12/21	9:45-10:45	Arrays - 1-D arrays, 2-D arrays
23	13/12/21	11:00-12:00	Vectors and wrapper classes, multiple Inheri
24	14/12/21	2:00-3:00	Interfaces - Implementing & accessing variab
25	16/12/21	11:00-12:00	Introduction to packages
26	17/12/21	9:45-10:45	Java API packages, creating packages
27	20/12/21	11:00-12:00	Accessing and using packages
28	21/12/21	2:00-3:00	Introduction to Multithreading
29	23/12/21	11:00-12:00	Life cycle of a thread, thread priority
30	24/12/21	9:45-10:45	Synchronization, implementing runnable interface members
31	27/12/21	11:00-12:00	Introduction to errors, exceptions
32	28/12/21	2:00-3:00	Multiple catch statements, finally statem
33	30/12/21	11:00-12:00	Throwing own exception, debugging excep
34	31/12/21	9:45-10:45	Applications of Multithreading
35	3/1/22	11:00-12:00	Introduction to applet programming

Section No.	Date	Time	Topics Planned
36	4/1/22	2:00-3:00	Applet life cycle
37	6/1/22	11:00-12:00	Building applet code
38	7/1/22	9:45-10:45	HTML tags, designming web Page
39	10/1/22	11:00-12:00	Passing Parameter to applets
40	11/1/22	2:00-3:00	getting inputs from user
41	13/1/22	11:00-12:00	Introduction to graphic programming
42	14/1/22	9:45-10:45	Lines, circles, rectangles,
43	20/1/22	11:00-12:00	Drawing ares, polygons, line charts
44	21/1/22	9:45-10:45	Introduction to Byte stream classes, Character Stream classes
45	24/1/22	11:00-12:00	File class creating files
46	25/1/22	2:00-3:00	I/o Exceptions
47	27/1/22	11:00-12:00	Reading/writing characters
48	28/1/22	9:45-10:45	Reading/writing bytes
49	31/1/22	11:00-12:00	Handling primitive data types
50	1/2/22	2:00-3:00	Interactive I/o
51	3/2/22	11:00-12:00	Sample programs on Files
52	4/2/22	9:45-10:45	Activity - quiz on Stream
53	7/2/22	11:00-12:00	Question Paper discussion
54	8/2/22	2:00-3:00	Revision
55	10/2/22	11:00-12:00	Revision
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21/8/19 8:45-9:45
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LESSON PLAN

Subject Name : Problem Solving Technique using C **Course :** B CA **Semester :** I Sem

Faculty Name : T. Kohilakanagalakshmi **Preparation Date :** 20/8/19 **Section :** B

Section No.	Date	Time	Topics Planned
1	26/7/19	9:45-10:45	Unit I - Introduction to programming concept.
2	26/7/19	2:00-3:00	Classification of s/w, Modular programming
3	27/7/19	8:45-9:45	Structured programming, Algorithms
4	29/7/19	8:45-9:45	Flow charts
5	30/7/19	8:45-9:45	Features of C & Structure of C.
6	30/7/19	3:00-4:00	C Tokens, identifiers, Keywords
7	1/8/19	8:45-9:45	Data types, Variables
8	8/8/19	8:45-9:45	Formatted I/o functions
9	9/8/19	8:45-9:45	Unformatted I/o functions
10	9/8/19	9:45-10:45	Constants, Symbolic Constants.
11	10/8/19	8:45-9:45	Operators in C
12	13/8/19	3:00-4:00	Hierachy of operators, Expressions.
13	16/8/19	9:45-10:45	Type conversions
14	20/8/19	3:00-4:00	Decision Making statements - if, if-else
15	22/8/19	8:45-9:45	Nested if, If Else ladder, Switch...case
16	23/8/19	9:45-10:45	Loop - for loop, nested loop
17	24/8/19	8:45-9:45	Loop - while
18	27/8/19	3:00-4:00	Loop - do-while, break, continue
19	3/9/19	3:00-4:00	go to statement
20	5/9/19	8:45-9:45	Function definition, Prototype
21	6/9/19	9:45-10:45	types of functions
22	12/9/19	8:45-9:45	Passing arguments to functions.
23	13/9/19	9:45-10:45	Nested functions.
24	14/9/19	8:45-9:45	Recursive functions
25	17/9/19	3:00-4:00	Unit III - Arrays: Declaring & Initializing
26	19/9/19	8:45-9:45	One dimentional Arrays
27	20/9/19	9:45-10:45	Multi dimentional Arrays
28	21/9/19	8:45-9:45	Passing arrays to functions.
29	24/9/19	3:00-4:00	Strings: Declaring & Initialing Strings, Operations
30	26/9/19	8:45-9:45	Array of strings.
31	27/9/19	9:45-10:45	passing strings to functions.
32	4/10/19	9:45-10:45	Storage classes
33	5/10/19	8:45-9:45	Structure - Declare & Initialize
34	10/10/19	8:45-9:45	Nested Structure, Array of structure
35	11/10/19	9:45-10:45	Passing Structure to function

Section No.	Date	Time	Topics Planned
36	12/10/19	8:45-9:45	Union, typedef, enum
37	15/10/19	3:00-4:00	Bit field, Pointers - Declaration
38	17/10/19	8:45-9:45	Pointer arithmetic, Pointer and functions
39	18/10/19	9:45-10:45	Call by value and call by reference
40	19/10/19	8:45-9:45	pointers and arrays
41	22/10/19	3:00-4:00	Array of pointers, Pointers and structures
42	24/10/19	8:45-9:45	Static and dynamic Memory allocation
43	25/10/19	9:45-10:45	Memory allocation functions.
44	26/10/19	8:45-9:45	Files - File modes, file operations
45	31/10/19	8:45-9:45	Text and Binary file
46	2/11/19	8:45-9:45	Command line arguments.
47	5/11/19	3:00-4:00	C preprocessor directives, Macros.
48	7/11/19	8:45-9:45	Creating and user defined header files
49	8/11/19	9:45-10:45	Revision.
50	9/11/19	8:45-9:45	University paper discussion.
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LESSON PLAN

Subject Name : OPERATING SYSTEMS **Course :** BCA **Semester :** III

Faculty Name : Dr. S. KAVITHA **Preparation Date :** **Section :** 'A'

Section No.	Date	Time	Topics Planned
1	15/7/19	8.45-9.45	Batch systems, Multi programming, Time sharing
2	16/7/19	9.45-10.45	Types of parallel systems.
3	17/7/19	9.45-10.45	Distributed and Real time systems.
4	18/7/19	8.45-9.45	Components and services of operating Syst.
5	20/7/19	9.45-10.45	Types of system calls, Explanation.
6	20/7/19	12-1	System programs, virtual machines.
7	22/7/19	8.45-9.45	Basics of process Management
8	23/7/19	9.45-10.45	Concepts of process management
9	26/7/19	11-12	process scheduling, Co-operating process
10	27/7/19	9.45-10.45	Interprocess communication, Threads.
11	30/7/19	12-1	process Scheduling Criteria.
12	31/7/19	3-4	Multiple, Real time Scheduling.
13	19/7/19	10.45-11.45	process Scheduling algorithms.
14	2/8/19	11-12	FCFS algorithms, Advantages, Drawbacks
15	5/8/19	8.45-9.45	priority scheduling, SJF scheduling.
16	6/8/19	9.45-10.45	Round Robin Scheduling.
17	7/8/19	11-12	process synchronization.
18	10/8/19	8.45-9.45	synchronization, Hardware, Swap, Tools
19	13/8/19	9.45-10.45	Requirements for critical section problem
20	14/8/19	3-4	Types of Semaphores, semaphore operations
21	16/8/19	12-1	Deadlocks, Definition, Example,
22	17/8/19	8.45-9.45	characterization of deadlocks.
23	19/8/19	8.45-9.45	prevention of deadlocks, Examples.
24	20/8/19	9.45-10.45	Avoidance & detection of deadlocks.
25	21/8/19	3-4	Recovery of deadlocks.
26	23/8/19	12-1	Deadlock approaches.
27	24/8/19	8.45-9.45	Innovative method - Chart.
28	26/8/19	8.45-9.45	Memory management Schemes.
29	27/8/19	9.45-10.45	Logical and physical address.
30	28/8/19	3-4	Swapping, diagram with Explanation.
31	3/9/19	9.45-10.45	Contiguous allocation, Explanation.
32	4/9/19	3-4	paging diagram, Concepts.
33	6/9/19	12-1	Page table Explanation.
34	7/9/19	8.45-9.45	Segmentation Concepts Explanation.
35	9/9/19	8.45-9.45	Segment table diagram.

Section No.	Date	Time	Topics Planned
36	11/9/19	3-4	segmentation with paging in Matrics.
37	13/9/19	12-1	virtual memory concepts.
38	14/9/19	8.45-9.45	Demand paging and it's performance
39	16/9/19	8.45-9.45	page replacements algorithms.
40	17/9/19	9.45-10.45	page replacement algorithms
41	18/9/19	3-4.	Thrashing, diagram, explaination.
42	20/9/19	12-1	Demand segmentation with diagram.
43	21/9/19	8.45-9.45	Demand segmentation with paging
44	23/9/19	8.45-9.45	innovative - Quiz.
45	24/9/19	9.45-10.45	file management, file types.
46	25/9/19	3-4.	file concepts. explaination.
47	27/9/19	12-1	UNIX commands, file related commands.
48	28/9/19	8.45-9.45	file access methods 1.
49	4/10/19	12-1	file access methods 2
50	5/10/19	8.45-9.45	Directory Structure.
51	9/10/19	3-4	Directory structure types.
52	11/10/19	12-1	protection mechanisms
53	12/10/19	8.45-9.45	protection methods. virus. antivirus.
54	14/10/19	8.45-9.45	file system structure.
55	15/10/19	9.45-10.45	file allocation methods.
56	16/10/19	3-4	file allocation methods.
57	18/10/19	12-1	Free space management & methods.
58	19/10/19	8.45-9.45	Directory implementation.
59	21/10/19	8.45-9.45	file recovery systems.
60	22/10/19	9.45-10.45	Disk management structure.
61	23/10/19	3-4	Disk scheduling methods.
62	25/10/19	12-1	Swap space management.
63	26/10/19	8.45-9.45	Goals of protection.
64	28/10/19	8.45-9.45	OTP, Thread, Domain matrix.
65	30/10/19	3-4.	Case study of UNIX
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LESSON PLAN

Subject Name : OOPs using C++ **Course :** BCA **Semester :** III Sem

Faculty Name : Mrs. Sunitha **Preparation Date :** **Section :** B-Sec

Section No.	Date	Time	Topics Planned
1	15/7/19	9:45-10:45	Unit-I Introduction to c++, procedural language
2	16/7/19	8:45-9:45	OOPs concepts, object, class examples.
3	17/7/19	9:45-10:45	Data Abstraction, Data Encapsulation, Hidi
4	18/7/19	9:45-10:45	Polymorphism - function overloading & Operato
5	19/7/19	10:45-11:45	Operator overloading Examples. Reusability
6	20/7/19	8:45-9:45	Inheritance, Dynamic Binding, Message Passing
7	22/7/19	9:45-10:45	iostream.h, C++ comments, Keywords.
8	23/7/19	8:45-9:45	const Qualifier. Tos class function.
9	25/7/19	9:45-10:45	Manipulators - setw, setPrecision, setfill.
10	26/7/19	10:45-11:45	User defined manipulators.
11	26/7/19	11:45-12:45	Memory management operators.
12	29/7/19	9:45-10:45	function, declaration, function call.
13	31/7/19	9:45-10:45	Passing structures, return, default argu
14	1/8/19	9:45-10:45	Overloaded function, Different arguments
15	2/8/19	8:45-9:45	Inline functions.
16	6/8/19	2:00-3:00	Objects & class, class declarations.
17	7/8/19	9:45-10:45	class member, data construction, destru
18	8/8/19	9:45-10:45	Member functions, class member visibility
19	13/8/19	2:00-3:00	Private & public, protected access specifier
20	14/8/19	9:45-10:45	Scope of the class objects.
21	16/8/19	8:45-9:45	Example programs of access specifiers.
22	19/8/19	9:45-10:45	Default constructor, constructor with argu
23	20/8/19	2:00-3:00	Constructor with default argument.
24	21/8/19	9:45-10:45	Dynamic constructor, copy constructor
25	22/8/19	9:45-10:45	overloaded constructor.
26	27/8/19	2:00-3:00	Objects as arguments returning objects
27	28/8/19	9:45-10:45	class conversion, manipulation private data member
28	5/9/19	9:45-10:45	Destructors classes.
29	6/9/19	8:45-10:45	Object & memory destructor, String as class
30	7/9/19	9:45-10:45	III operator overloading
31	11/9/19	9:45-10:45	overloading unary operator.
32	12/9/19	9:45-10:45	operator Keyword, operator arguments
33	13/9/19	8:45-9:45	operator return value.
34	17/9/19	2:00-3:00	overloading Binary operator, arith operator
35	18/9/19	9:45-10:45	comparision operator, Data conversion

Section No.	Date	Time	Topics Planned
36	20/9/19	8:45-9:45	Conversion between objects of different classes
37	21/9/19	9:45-10:45	Inheritance : Derived class & Base class.
38	24/9/19	2:00-3:00	Specifying derived class accessing base class.
39	25/9/19	9:45-10:45	protected access specifier, Derived class constr
40	26/9/19	9:45-10:45	overriding Member functions.
41	27/9/19	8:45-9:45	public & Private Inheritance.
42	9/10/19	9:45-10:45	class and structure, Access specifiers, Levels
43	10/10/19	9:45-10:45	Multiple Inheritance, containership.
44	11/10/19	8:45-9:45	Classes with in class.
45	15/10/19	2:00-3:00	V virtual functions.
46	16/10/19	9:45-10:45	Normal Member function with pointer
47	17/10/19	9:45-10:45	virtual Member function, friend functio
48	18/10/19	8:45-9:45	Pure virtual functions, friend classes,
49	19/10/19	9:45-10:45	This pointer. Accessing Member data with this
50	22/10/19	2:00-3:00	Using this for returning values.
51	23/10/19	9:45-10:45	Templates & Exception Handling.
52	24/10/19	9:45-10:45	class Template, function Templates.
53	25/10/19	8:45-9:45	Member function Templates.
54	30/10/19	9:45-10:45	Template arguments, Exception Handling.
55	31/10/19	9:45-10:45	V Streams
56	5/11/19	2:00-3:00	Stream Handling, Hierarchy
57	6/11/19	9:45-10:45	writing / reading strings, character I/O.
58	7/11/19	9:45-10:45	Detecting End-of-file Object I/O
59	8/11/19	8:45-9:45	writing an object to disk,
60			Reading from disk.
61			f- stream class.
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LESSON PLAN

Subject Name : Data Communication & Networks **Course :** BCA **Semester :** V

Faculty Name : Dr. Kumudavalli **Preparation Date :** 13/7/19 **Section :** 'A'

Section No.	Date	Time	Topics Planned
1	15/7/19	11.00-12.00	Unit-1 : Introduction to N/W design, N/W Goals
2	16/7/19	8.45-9.45	N/W topologies, switching techniques. circuit, Msg, Pkt
3	18/7/19	11.00-12.00	Student Presentation - N/W Topologies
4	19/7/19	9.45-10.45	Evolution of N/W Architecture and Services
5	20/7/19	11-12	Telegraph, Telephone N/W with Circuit switching
6	22/7/19	12.00-1.00	Internet, Computer N/W and Pkt Switching
7	23/7/19	8.45-9.45	Essential elements of N/W Architecure, Key factors
8	26/7/19	12.00-1.00	Unit-2 : OSI Reference Model
9	29/7/19	9.45-10.45	TCP/IP Model
10	31/7/19	8.45-9.45	Application Layer Protocol.- HTTP, FTP, TELNET
11	31/7/19	9.45-10.45	IP Utilities like - PING, TRACEROUTE, IPCONFIG, NETSTAT
12	1/8/19	9.45-10.45	Activity - Simmulation base video clippings class.
13	5/8/19	9.45-10.45	Unit-3: Digital representation of Data, Basic Properties
14	6/8/19	2.00-3.00	Characterization of communication channels - Freq, Amp, Phase
15	7/8/19	8.45-9.45	Limits in digital transmission - Nyquest & Shennon
16	8/8/19	9.45-10.45	Digital Modulation : Amp shift, Freq shift, Phase Shift
17	13/8/19	2.00-3.00	Modem and its operation
18	14/8/19	8.45-9.45	Wired Medium : Twisted Pair, Coaxial Cable, Optical Fibre
19	19/8/19	9.45-10.45	Wireless : Radio transmission, Infra-Red light
20	20/8/19	2.00-3.00	Error detection Correction - Parity, Checksum
21	21/8/19	8.45-9.45	Polynomial Codes & Error detection Capability
22	22/8/19	9.45-10.45	Activity - Student Presentation on Errors (CRC)
23	26/8/19	9.45-10.45	Multiplexing : Freq Division, Time Division
24	27/8/19	2.00-3.00	Wavelength Division Multiplexing, SONET
25	28/8/19	8.45-9.45	Circuit Switches ; Space division switches
26	3/9/19	2.00-3.00	Time division Switches
27	4/9/19	8.45-9.45	Unit-4 : Connection Oriented & connectionless Service
28	5/9/19	9.45-10.45	Peer-to-Peer Protocol, end-end & single Hop N/W
29	9/9/19	9.45-10.45	ARQ Protocols - Stop & Wait.
30	11/9/19	8.45-9.45	ARQ - go-back-N-ARQ, Selective Repeat.
31	12/9/19	9.45-10.45	Other Peer-Peer Protocols - sliding window
32	16/9/19	9.45-10.45	Timing recovery for Synchronous Services
33	17/9/19	2.00-3.00	TCP Reliable Stream Service & flow control
34	18/9/19	8.45-9.45	Data Link Control - Framing
35	19/9/19	9.45-10.45	Point-Point Protocol (PPP)

Section No.	Date	Time	Topics Planned
36	23/9/19	9.45-10.45	High level Data Link Control (HDLC)
37	24/9/19	2.00-3.00	Unit-5: Multiple access Communications
38	25/9/19	8.45-9.45	Random access MAC Protocols - ALOHA, Slotted, CSMA-CD
39	26/9/19	9.45-10.45	scheduling approaches - Reservation System, Polling, Token
40	9/10/19	8.45-9.45	Comparison of scheduling approaches in Medium access
41	10/10/19	9.45-10.45	Comparison of random acess & scheduling Mediumaccess
42	14/10/19	9.45-10.45	Channelization : FDMA, TDMA, CDMA
43	15/10/19	2.00-3.00	Unit-6: LAN Structure, MAC sublayer, LLC
44	16/10/19	8.45-9.45	LAN Standards: IEEE 802.3, Token ring
45	17/10/19	9.45-10.45	IEEE 802.5, FDDI
46	21/10/19	9.45-10.45	Wireless LANs and IEEE 802.11 Standards
47	22/10/19	2.00-3.00	LAN bridges : Transparent
48	23/10/19	8.45-9.45	Source routing bridges
49	24/10/19	9.45-10.45	Mixed - Media bridges
50	28/10/19	9.45-10.45	Unit-7: Packet Switching - N/W Services, Datagram
51	30/10/19	8.45-9.45	Connectionless Pkt Switching - Virtual Circuit, Pkt Swit
52	31/10/19	9.45-10.45	Routing in Pkt N/W - algorithm, Routing tables
53	4/11/19	9.45-10.45	Flooding, Hierarchical Routing - Bellman ford
54	5/11/19	2.00-3.00	Dijikstra's Algorithm, Link State Routing, Distance V
55	6/11/19	8.45-9.45	Congestion control Alg - open & closed loop Control
56	7/11/19	9.45-10.45	Question Paper pattern / Previous year papers discussion
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7/11/19

LESSON PLAN

Subject Name : OOPs Using Java **Course :** BCA **Semester :** V

Faculty Name : SRIVATSALA.V **Preparation Date :** **Section :** B

Section No.	Date	Time	Topics Planned
1	16.07.2019	10.45-11.45	Introduction to topic
2	17.07.2019	9.45-10.45	Introduction to www, Internet - Architecture
3	18.07.2019	11.45-12.45	Overview to Java Environment
4	19.07.2019	9.45-10.45	Simple Java Programs
5	20.07.2019	9.45-10.45	Java Virtual Machines
6	23.07.2019	8.45-9.45	Introduction to Java Prog language C, C++ Vs Java
7	24.07.2019	12.00-1.00	Data types, Arithmetic and logical Operators
8	29.07.2019	9.45-10.45	Relational, Assignment, Increment and Decrement Op
9	30.07.2019	8.45-9.45	Decision making statements
10	31.07.2019	12.00-1.00	If - else, Nested If statements
11	02.08.2019	2.00-3.00	while statements, do statements
12	5.08.2019	9.45-10.45	For statement, nested loop statement
13	6.08.2019	8.45-9.45	Activity - MCQ test
14	7.08.2019	12.00-1.00	Classes and Objects
15	9.08.2019	2.00-3.00	Adding members, creating objects
16	13.08.2019	8.45-9.45	Accessing member variables and constructors.
17	14.08.2019	12.00-1.00	Method Overloading
18	16.08.2019	2.00-3.00	static variable, methods and blocks.
19	19.08.2019	9.45-10.45	Inheritance, overriding methods, Examples
20	20.08.2019	8.45-9.45	Abstract methods and classes, Examples.
21	21.08.2019	12.00-1.00	Question & Answer Session
22	23.08.2019	2.00-3.00	Array - 1D and 2D
23	26.08.2019	9.45-10.45	Vectors and Wrapper Classes
24	27.08.2019	8.45-9.45	Multiple Inheritance, Interface - Implementation
25	28.08.2019	12.00-1.00	Introduction to packages.
26	30.08.2019	2.00-3.00	Java API packages, Creating packages
27	3.09.2019	8.45-9.45	Accessing and using packages.
28	4.09.2019	12.00-1.00	Introduction to multithreading
29	6.09.2019	2.00-3.00	Life cycle of thread, Thread priority
30	9.09.2019	9.45-10.45	Synchronization and implementing runnable interface
31	11.09.2019	12.00-1.00	Introduction to Errors and Exceptions.
32	12.09.2019	2.00-3.00	Multiple catch statements, finally statement
33	16.09.2019	9.45-10.45	Throwing own exceptions, debugging exception.
34	17.09.2019	8.45-9.45	Applications of multithreading
35	18.09.2019	12.00-1.00	Introduction to Applet Programming

Section No.	Date	Time	Topics Planned
36	20.09.2019	2:00-3:00	Applet lefe Cycle
37	23.09.2019	9.45-10.45	Building applet code
38	24.09.2019	8.45-9.45	HTML tags, designing web page.
39	25.09.2019	12.00-1.00	passing parameters to applets
40	27.09.2019	2.00-3.00	getting inputs from User
41	30.09.2019	9.45-10.45	Introduction to graphics Programming
42	1.10.2019	8.45-9.45	Lines, Circles and rectangles
43	4.10.2019	2.60-3.00	Drawing arcs, polygons, line charts.
44	9.10.2019	8.45-9.45	Using control loops in Applets and line charts, bar
45	11.10.2019	2.00-3.00	Introduction to streams, byte streams, character stream
46	14.10.2019	9.45-10.45	Files - Introduction, Creating files.
47	15.10.2019	8.45-9.45	I/O Exceptions
48	16.10.2019	12.00-1.00	Reading + Writing Characters Example
49	18.10.2019	2.00-3.00	Reading + Writing Bytes Example
50	21.10.2019	9.45-10.45	Handling primitive data types
51	22.10.2019	8.45-9.45	Interactive I/O
52	23.10.2019	12.00-1.00	Sample programs on Files
53	25.10.2019	9.00-3.00	Quiz on Streams
54	28.10.2019	9.45-10.45	Question Paper Discussion
55	30.10.2019	12.00-1.00	Revision + test
56	4.11.2019	9.45-10.45	Revision + test.
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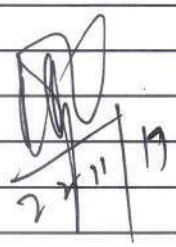

LESSON PLAN

JAN 2020 – JUNE 2020

Subject Name : DBMS **Course :** BCA **Semester :** II

Faculty Name : Dr. Lalini Suresh **Preparation Date :** 16-01-20 **Section :** A

Section No.	Date	Time	Topics Planned
1	20-1-2020	9.45-10.45	Unit-I Introduction; Database users, Characteristics of DB approach Database
2	21-1-2020	12-1	Implications of DB approach, DB users in detail.
3	22-1-2020	8.45-9.45	Advantages and disadvantages of DBMS
4	24-1-2020	2-3	Database system environment and concepts.
5	27-1-2020	9.45-10.45	Data models
6	28-1-2020	12-1	Schemas, instances and data independence
7	29-1-2020	8.45-9.45	DB languages
8	31-1-2020	2-3	DB architecture in detail.
9	3-2-2020	9.45-10.45	DB architecture continuation.
10	4-2-2020	12-1	DBMS interfaces, classification of DBMS.
11	5-2-2020	8.45-9.45	Database system
12	7-2-2020	2-3.	Schemas and instances.
13	10-2-2020	9.45-10.45	Unit-II Entity types, entity sets, attributes, key constraints
14	11-2-2020	12-1	ER model concepts, Notation for ER diagrams.
15	12-2-2020	8.45-9.45	proper naming of Schema constructs
16	14-2-20	2-3	Relationship types of degree higher than two
17	17-2-20	9.45-10.45	Record storage and primary file organisation
18	19-2-20	8.45-9.45	Buffering of Blocks.
19	24-2-20	9.45-10.45	Secondary Storage devices, placing file records on disk
20	25-2-20	12-1	
21	26-2-20	8.45-9.45	operation on files, file of unordered records. Heap files.
22	28-2-20	2-3	Records (Sorted files) & Hashing techniques.
23	2-3-20	9.45-10.45	primary file organisation
24	3-3-20	12-1	Buffering revision, informal design guidelines for relational schema
25	4-3-20	8.45-9.45	Unit-III Functional dependencies.
26	6-3-20	2-3.	Normal forms based on primary keys.
27	10-3-20	2-3	Second and third normal forms.
28	16-3-20	9.45-10.45	Boyce-Codd normal forms.
29	17-3-20	12-1	Relational data model & relational algebra: Relational model.
30	18-3-20	8.45-9.45	
31	20-3-20	2-3	Relational database schema
32	23-3-20	9.45-10.45	Relational model Constraints
33	24-3-20	12-1	Additional relational operations
34	27-3-20	2-3	Example queries in relational algebra
35	30-3-20	9.45-10.45	Relational database design using ER mapping

Section No.	Date	Time	Topics Planned
36	31-3-20	12-1	Unit-IV SQL
37	1-4-20	8.45-9.45	Data definition (DDL)
38	2-4-20	3-4	DML — insert
39	3-4-20	2-3	Delete, update in SQL.
40	7-4-20	12-1	Views in SQL
41	8-4-20	8.45-9.45	example SQL queries
42	10-4-20	2-3	Specifying general constraints as assertions.
43	13-4-20	9.45-10.45	PL SQL
44	20-4-20	9.45-10.45	Statement in PL/SQL
45	21-4-20	8.45-9.45	Revision - Normalization
46	22-4-20	8.45-9.45	Indexies.
47	24-4-20	2-3	Embedded SQL
48	27-4-20	9.45-10.45	Revision - Unit II
49	28-4-20	12-1	Unit V - Transaction Processing, Introduction
50	29-4-20	8.45-9.45	Serializability & Schedules.
51	30-4-20	2-3	recoverability, Concurrency control.
52	2-5-20	11-12.	time stamping, desirable properties & transaction
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LESSON PLAN

Subject Name : NSM **Course :** BCA **Semester :** II

Faculty Name : Ranjini K-S **Preparation Date :** 16-1-2020 **Section :** 'A'

Section No.	Date	Time	Topics Planned
1	16-1-2020	8.45-9.45	Floating point Representation & Errors: Introduction
2	17-1-2020	9.45-10.45	Floating Numbers
3	18-1-2020	8.45-9.45	Normalized Floating point No
4	18-1-2020	11.00-12.00	problems
5	20-1-2020	8.45-9.45	Single & Double precision Floating point
6	21-1-2020	8.45-9.45	problems on Single-Double precision
7	21-1-2020	11.00-12.00	problems on Single-Double precision
8	23-1-2020	11.00-12.00	Errors
9	23-1-2020	12.00-1.00	Bisection method.
10	24-1-2020	11.00-12.00	problems on Bisection method
11	27-1-2020	8.45-9.45	problems on Bisection method
12	28-1-2020	2.00-3.00	Newton method.
13	30-1-2020	8.45-9.45	problems
14	31-1-2020	11.00-12.00	problems
15	1-2-2020	9.45-10.45	Secant method
16	3-2-2020	8.45-9.45	Interpolation: Lagrange's polynomial
17	4-2-2020	12.00-1.00	Lagrange's polynomial
18	4-2-2020	2.00-3.00	Newton form of interpolating polynomial
19	6-2-2020	8.45-9.45	Forward differences
20	10-2-2020	8.45-9.45	problems
21	11-2-2020	2.00-3.00	Cubic polynomial problems
22	13-2-2020	8.45-9.45	Inverse interpolation, Newton divided differences
23	15-2-2020	9.45-10.45	Newton divided difference
24	17-2-2020	8.45-9.45	Numerical differentiation
25	18-2-2020	2.00-3.00	Numerical Integration.
26	20-2-2020	8.45-9.45	System of linear equations'
27	21-2-2020	11.00-12.00	partial and complete pivoting
28	22-2-2020	9.45-10.45	jacobi iterative Methods
29	24-2-2020	8.45-9.45	problems
30	25-2-2020	2.00-3.00	Gauss Seidal iterative methods
31	2-3-2020	8.45-9.45	problems
32	3-3-2020	2.00-3.00	power method for the largest eigen
33	4-3-2020	12.00-1.00	power method for the Smallest eigen
34	5-3-2020	8.45-9.45	problems on power method
35	6-3-2020	11.00-12.00	problems On Smallest eigen Value.

Section No.	Date	Time	Topics Planned
36	7-3-2020	9.45-10.45	ordinary Diff eq^n : Taylor's Series
37	14-3-2020	9.45-10.45	Picard's methods
38	16-3-2020	8.45-9.45	Runge-kutta method
39	17-3-2020	2.00-3.00	Crout's LU Decomposition, Doolittle meth
40	19-3-2020	8.45-9.45	Cholesky's Decomposition method
41	20-3-2020	11.00-12.00	Basics Concepts of Statistics' Mean
42	21-3-2020	9.45-10.45	Arithmetic Mean
43	23-3-2020	8.45-9.45	Geometric Mean,
44	24-3-2020	2.00-3.00	Harmonic Mean,
45	26-3-2020	8.45-9.45	Coefficient of Variation
46	27-3-2020	11.00-12.00	Skewness & Kurtosis
47	28-3-2020	9.45-10.45	Correlation, Rank correlation
48	30-3-2020	8.45-9.45	probability, Conditional probability
49	31-3-2020	2.00-3.00	Bayes's Theorems
50	2-4-2020	8.45-9.45	problems.
51	3-4-2020	11.00-12.00	Random Variable & expectation
52	4-4-2020	9.45-10.45	Expectation of random variables
53	7-4-2020	2.00-3.00	Theorems on Expectation
54	9-4-2020	8.45-9.45	probability Distribution
55	11-4-2020	9.45-10.45	probability Function
56	13-4-2020	8.45-9.45	Discrete probability
57	18-4-2020	9.45-10.45	Bernoulli Distribution
58	20-4-2020	8.45-9.45	Binomial Distribution
59	21-4-2020	2.00-3.00	Continuous Distribution
60	23-4-2020	8.45-9.45	Normal Distribution
61	24-4-2020	11.00-12.00	Applications on Distributions
62	25-4-2020	9.45-10.45	Revision on model papers
63	27-4-2020	8.45-9.45	Revision on previous year question p
64	28-4-2020	2.00-3.00	Revision on previous year question pap
65	30-4-2020	8.45-9.45	Revision on previous year question Papers
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LESSON PLAN

Subject Name : UNIX Programming **Course :** BCA **Semester :** IV

Faculty Name : Mrs. Sunitha **Preparation Date :** **Section :** 'A'

Section No.	Date	Time	Topics Planned
1	16-1-2020	8:45-9:45	Introduction to UNIX
2	16-1-20	12-1	History of UNIX, Difference b/w CUI & GUI
3	17-1-20	8:45-9:45	UNIX System Architecture, File Parts
4	20-1-20	8:45-9:45	UNIX command Prompt / Format
5	21-1-20	12-1	General Purpose commands: echo, Printf
6	22-1-20	12-1	commands: bc, Printf, who, whoami, man
7	29-1-20	11-12	tty, uname, passwd. commands revision
8	30-1-20	12-1	File operations; Types of files
9	1-02-20	12-1	Directory structure. Directory Related commands
10	3-2-20	2-3	File Related commands. With examples.
11	5-2-20	11-12	Touch, Split, cmp, comm, diff commands
12	6-2-20	12-1	gzip and gunzip; Zcat commands.
13	10-2-20	2-3	Types of users, UNIX file system components
14	13-2-20	12-1	Assignment discussion
15	15-2-20	12-1	Standard file system, process
16	17-2-20	2-3	Parent and child Process, UNIX Process creation
17	19-2-20	11-12	Innovative methods of teaching: Quiz
18	20-2-20	12-1	context of a process; Types of a Processes.
19	22-2-20	12-1	Process termination & Process scheduling
20	24-2-20	2-3	Introduction to Shell Prog, Shell Script features
21	26-2-20	11-12	Types of shells, vi editor, Shell command line
22	2-3-20	11-12	creation & execution of a shell script.
23	4-3-20	11-12	expr command, command substitution
24	5-3-20	12-1	positional parameters, exit command
25	7-3-20	12-1	Sample program, Introduction to control structures
26	12-3-20	12-1	Test command: Numeric, String, File test.
27	16-3-20	2-3	if-then-else-fi statement, Nested if
28	18-3-20	11-12	case-esac statement, logical operators
29	19-3-20	12-1	Disk space management, formatting disk
30	21-3-20	12-1	making file system, checking Disk space
31	23-3-20	2-3	Disk Partitioning - fdisk command
32	26-3-20	12-1	Standard streams in UNIX, pipes
33	28-3-20	12-1	filter commands: head, tail, tee.
34	30-3-20	2-3	grep - regular expressions
35	01-4-20	11-12	System Calls for I/O, Process Control

Section No.	Date	Time	Topics Planned
36	2-4-20	12-1	UNIX System Communication.
37	4-4-20	12-1	write, Mesg, finger wall, sending mails.
38	8-4-20	11-12	Innovative Methods.
39	9-4-20	12-1	System administrator
40	11-4-20	12-1	File System Maintenance, System startup.
41	13-4-20	2-3	User Management
42	18-4-20	12-1	Security
43	20-4-20	2-3	Backup & restore
44	22-4-20	11-12	Domain file system, Distributed file system
45	23-4-20	12-1	sample programs
46	25-4-20	12-1	Innovative Methods
47	27-4-20	2-3	lab programs discussion
48	29-4-20	11-12	old question papers discussion
49	30-4-20	12-1	students presentation
50	2-5-20	12-1	Commands revision
51	4-5-20	12-12.	-revision-
52	4-5-20	02-03	-revision-
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LESSON PLAN

Subject Name : Operation Research **Course :** BCA **Semester :** IV

Faculty Name : Amthul Hai **Preparation Date :** **Section :** 'A'

Section No.	Date	Time	Topics Planned
1	16/1/2020	9.45-10.45	Syllabus discussion, Over view of topics
2	18/1/2020	9.45-10.45	Definition of OR, Characteristics, phases of OR
3	20/1/2020	9.45-10.45	Models, Applications & Limitations of OR
4	20/1/2020	12.00-1.00	LPP, Formulation, Graphical Method
5	21/1/2020	9.45-10.45	Problems on Graphical method
6	21/1/2020	11.00-12.00	Problems on special cases of Graphical method
7	22/1/2020	8.45-9.45	Simplex Algorithm and problems
8	23/1/2020	8.45-9.45	Problems on Simplex method - Maximization
9	24/1/2020	8.45-9.45	Problems on Simplex method - Minimization
10	27/1/2020	9.45-10.45	Problems on Simplex method
11	28/1/2020	11.00-12.00	Big-M method Algorithm
12	29/1/2020	8.45-9.45	Problems on Big-M method
13	31/1/2020	8.45-9.45	II phase method Algorithm
14	1/2/2020	11.00-12.00	Problems on II phase method - Phase I problems
15	3/2/2020	9.45-10.45	Problems on II phase method
16	4/2/2020	11.00-12.00	Student Activity - Online tools demo
17	5/2/2020	8.45-9.45	Transportation Problem - formulation, methods to solve
18	7/2/2020	8.45-9.45	NWCR formulation & Problems
19	10/2/2020	9.45-10.45	LCM formulation & Problems
20	14/2/2020	8.45-9.45	VAM formulation & Problems
21	15/2/2020	11.00-12.00	Problems on all 3 methods including unbalanced T.P
22	17/2/2020	9.45-10.45	MODI method Algorithm
23	18/2/2020	11.00-12.00	MODI method problems (Non-degenerate)
24	19/2/2020	8.45-9.45	MODI method problems (Degeneracy)
25	22/2/2020	11.00-12.00	Assignment problem - Algorithm, problems
26	24/2/2020	9.45-10.45	Hungarian method Algorithm, problems
27	25/2/2020	11.00-12.00	Hungarian method Algorithm, Problems
28	26/2/2020	8.45-9.45	Unbalanced A.P - problems
29	2/3/2020	9.45-10.45	Restrictions on A.P
30	3/3/2020	11.00-12.00	Maximum Profit problem
31	4/3/2020	8.45-9.45	Maximum Profit problem
32	6/3/2020	8.45-9.45	Travelling Salesman problem
33	7/3/2020	11.00-12.00	Travelling Salesman problem & revision of III unit
34	13/3/2020	8.45-9.45	Introduction to networks & basic definition of n/w.
35	14/3/2020	9.45-10.45	Network drawing problems.

Section No.	Date	Time	Topics Planned
36	17/3/2020	11.00-12.00	Time calculation in networks - Forward Pass procedure
37	18/3/2020	8.45-9.45	Time calculation in networks - Backward Pass procedure
38	20/3/2020	8.45-9.45	CPM - Definition & Procedure
39	21/3/2020	11.00-12.00	Problems on CPM
40	23/3/2020	9.45-10.45	Problems on CPM
41	24/3/2020	11.00-12.00	PERT - Definition & Procedure
42	27/3/2020	8.45-9.45	Problems on PERT
43	28/3/2020	11.00-12.00	Problems on PERT
44	30/3/2020	9.45-10.45	PERT - problems including Crash time
45	31/3/2020	11.00-12.00	PERT - problems including Crash time
46	1/4/2020	8.45-9.45	Revision of Unit - 4.
47	3/4/2020	8.45-9.45	Game theory - Competitive games
48	4/4/2020	11.00-12.00	Rectangular games, Saddle point minimax & maximin.
49	7/4/2020	11.00-12.00	Method of optimal strategies, value of the game.
50	8/4/2020	8.45-9.45	Solution of games with saddle points
51	11/4/2020	11.00-12.00	Dominance Principle and problems
52	13/4/2020	9.45-10.45	Rectangular games without saddle point
53	20/4/2020	9.45-10.45	Mixed strategy for 2×2 games
54	21/4/2020	11.00-12.00	Graphical method (2×m games)
55	22/4/2020	8.45-9.45	Revision of Unit - 5
56	24/4/2020	8.45-9.45	Student Activity - Creating game strategy, Payoff matrix for live data
57	25/4/2020	11.00-12.00	Question Paper discussion Session
58	27/4/2020	9.45-10.45	Question Paper discussion Session
59	28/4/2020	11.00-12.00	Revision
60	29/4/2020	8.45-9.45	Revision
61	2/5/2020	11.00-12.00	Revision
62	4/5/2020	9.45-10.45	Revision
63	5/5/2020	11.00-12.00	Revision
64	6/5/2020	8.45-9.45	Revision
65	8/5/2020	8.45-9.45	Revision
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LESSON PLAN

Subject Name : Web Programming **Course :** BCA **Semester :** VI

Faculty Name : AMBIKA K.C. **Preparation Date :** 13/2/2020 **Section :** A

Section No.	Date	Time	Topics Planned
1	20/1/20	9.45-10.45	Introduction, syllabus discussion
2	21/1/20	9.45-10.45	UNIT I:- Fundamentals of Web, Internet, WWW, web browser, URLs.
3	22/1/20	9.45-10.45	Web server, MIME, HTTP, Security, The web-Prgs Tool kits, XHTML: origins, evolution of HTML and XHTML
4	23/1/20	8.45-9.45	Basic syntax, standard XHTML document structure, Basic text markup.
5	24/1/20	9.45-10.45	Images, Hypertext links, lists, Tables & examples.
6	28/1/20	12.00-1.00	Unit-II:- HTML and XHTML: forms, Frames in HTML.
7	29/1/20	12.00-1.00	Syntactic differences between HTML and XHTML.
8	30/1/20	11.00-12.00	CSS: Introduction, levels of style sheets.
9	3/2/20	9.45-10.45	Lab Prg:- Illustrating text formatting tags.
10	4/2/20	12.00-1.00	Style specification formats, selector forms
11	5/2/20	12.00-1.00	Program to illustrate order list, unorder list, Property value forms.
12	6/2/20	11.00-12.00	Font properties, list properties, program to find the reverse of a number.
13	10/2/20	9.45-10.45	Colors, Program to find whether the number is ODD or EVEN.
14	12/2/20	12.00-1.00	Alignment of text, the box model, write a program to hyper link, img tag and embedded multimedia.
15	13/2/20	11.00-12.00	Background images, The and tags. Find the factorial of a number.
16	17/2/20	9.45-10.45	Unit:III :- Java script: overview, object orientation and javascript, general syntactic characteristics
17	18/2/20	12.00-1.00	Primitives, operations, expressions, Program to find whether a number is palindrom or not.
18	19/2/20	12.00-1.00	Screen output and keyboard inputs and examples
19	20/2/20	11.00-12.00	Control statements and examples.
20	24/2/20	9.45-10.45	Arrays, object creation and modification, examples
21	25/2/20	12.00-1.00	Java script prg to count the number of vowels in a string, Constructors, Functions,
22	26/2/20	12.00-1.00	Pattern matching using expressions, Errors in Scripts, examples.
23	2/3/20	9.45-10.45	UNIT: IV :- Java Scripts and HTML documents, the JS execution environment.
24	3/3/20	12.00-1.00	Program to sort a given array in ascending and descending order.
25	4/3/20	12.00-1.00	The document object model, Element access in JS.
26	5/3/20	11.00-1.00	Events and events handling, Prg to convert the lowercase text to uppercase & vice-versa.
27	12/3/20	11.00-12.00	Handling events from the body element, Button elements.
28	16/3/20	9.45-10.45	Text box and Password elements, Prg to count the number of elements in a form.
29	17/3/20	12.00-1.00	The DOM 2 event model, The navigator object.
30	18/3/20	12.00-1.00	Explanation code of verifies that all textboxes has been filled.
31	19/3/20	11.00-12.00	DOM tree traversal and modification.
32	23/3/20	9.45-10.45	UNIT: V :- Dynamic documents with JS, Introduction to dynamic documents.
33	24/3/20	12.00-1.00	Prg to accept any mathematical expression & evaluate and display the result.
34	26/3/20	11.00-12.00	Positioning elements, Moving elements, Element Visibility
35	30/3/20	9.45-10.45	Changing color & fonts, dynamic content.

Section No.	Date	Time	Topics Planned
36	31/2/20	12.00-1.00	Prg to create a rouge with dynamic effects. Code to include layers and basic animation.
37	1/4/20	12.00-1.00	Stacking elements, locating the mouse cursor.
38	2/4/20	11.00-12.00	Reacting to mouse click, slow movement of elements, Prg TO find sum of N natural Numbers.
39	7/4/20	12.00-1.00	Dragging and dropping elements with example.
40	8/4/20	12.00-1.00	XML: Introduction and examples.
41	9/4/20	11.00-12.00	Syntax and document structure, Prg to code using arrays and generate current date.
42	13/4/20	9.45-10.45	Document type definition, Name space, XML-schema
43	20/4/20	9.45-10.45	Prg to create form for student information.
44	21/4/20	12.00-1.00	Display raw XML documents & examples.
45	22/4/20	12.00-1.00	Displaying XML documents with CSS & examples.
46	23/4/20	11.00-12.00	Prg to create a form for employee information
47	27/4/20	9.45-10.45	XLST style sheets, Prg to create a form of multiple choice, display major dishes.
48	28/4/20	12.00-1.00	Prg to display the starters available, display the soft drinks available.
49	29/4/20	12.00-1.00	XML processor, Prg for onMouseOver and onMouseOut() events.
50	30/4/20	11.00-12.00	Web services and examples, QP discussion.
51	4/5/20	9.45-10.45	Revision and QP discussion.
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LESSON PLAN

Subject Name : Systems Programming **Course :** BCA **Semester :** VI

Faculty Name : Sarakutty. T.K **Preparation Date :** 10/2/20 **Section :** B

Section No.	Date	Time	Topics Planned
1	16/1/20	9:45-10:45	Introduction
2	16/1/20	12:00-1:00	Syllubus Discussion
3	17/1/20	9:45-10:45	System s/w, Application s/w, Differences between them
4	17/1/20	12:00-1:00	Components of System s/w, Assemblers, Compilers
5	18/1/20	8:45-9:45	Macros, Loaders, OS, Formal Systems.
6	20/1/20	12:00-1:00	Differences between Processes, Procedure, Program.
7	21/1/20	12:00-1:00	Machine Structure.
8	22/1/20	11:00-12:00	ADD Flowchart.
9	23/1/20	8:45-9:45	SUB Flowchart, Memory, Registers-PSW, General Purpose registers
10	29/1/20	8:45-9:45	Data Fosmats.
11	30/1/20	11:00-12:00	Instruction Fosmats
12	3/2/20	12:00-1:00	Pgm - long way, No looping
13	4/2/20	2:00-3:00	Pgm - Using Instuctios as Data
14	5/2/20	8:45-9:45	Pgm - Using index registes, using looping stmt
15	6/2/20	11:00-12:00	Assembly language M/C & Pseudo Ops Pgm
16	10/2/20	12:00-1:00	Unit - II - Assemblers, General Design Procedure, Design
17	11/2/20	2-3:00	Statement of Problem, Data Structure.
18	12/2/20	8:45-9:45	Fosmat of Data bases, Algorithm.
19	17/2/20	12:00-1:00	Algorithm
20	18/2/20	2:00-3:00	Look for Modualelity, Table Processing, Searching Sorting
21	19/2/20	8:45-9:45	The Problem Seaching. a table, linear & binary Search
22	20/2/20	11:00-12:00	Sorting Interchange Sort, Shell Sort.
23	24/2/20	12:00-1:00	Bucket & Radix Exchange Sort.
24	25/2/20	2:00-3:00	Adders Calculation Sort.
25	26/2/20	8:45-9:45	Comparison of Sorts.
26	2/3/20	12-1:00	Hash or random entry Seaching
27	3/3/20	2-3:00	Unit - III - Macro language & Macro Process.
28	4/3/20	8:45-9:45	Macro instuctios, Feactures, Macro instns arguments
29	5/3/20	11-12:00	Conditional macro expansion.
30	12/3/20	11-12:00	Macro calls within macros.
31	16/3/20	12-1:00	Macro instns defining macros.
32	17/3/20	2-3:00	Implementation, statement of problem, Implementation of a macro
33	18/3/20	8:45-9:45	A two Pass Algorithm
34	19/3/20	12-1:00	A Single Pass Algorithm.
35	23/3/20	12-1:00	Implementation of macro calls within macro

Section No.	Date	Time	Topics Planned
36	24/3/20	2-3:00	Implementation within an assembler.
37	26/3/20	11-12:00	Unit V - Loaders.
38	30/3/20	12-1:00	Loaders Schemes, Compile & Go, General loading Scheme.
39	31/3/20	2-3:00	Absolute Loaders, Subroutine linkages
40	1/4/20	8:45 9:45	Relocating loaders, Direct linking loaders
41	2/4/20	12-1:00	Other loading Schemes - Binders, linking loaders, Overlays
42	7/4/20	2-3:00	Dynamic binders, design of absolute loaders
43	8/4/20	8:45-9:45	Design of a Direct linking loaders.
44	9/4/20	12:00-1:00	Specification of Problem, & data structure.
45	13/4/20	12-1:00	Format of data bases
46	20/4/20	12-1:00	Algorithms.
47	21/4/20	2-3:00	Unit V - compilers, Statement of Problem.
48	22/4/20	8:45-9:45	Problem 1,2: Recognise basic elements, syntactic categories
49	23/4/20	11-12:00	Problem 3 - Storage allocation Problem 4 - Code Generation
50	29/4/20	8:45-9:45	Optimization, Assembly Phase, General Model of compiler
51	30/4/20	11-12:00	Phases of compilers - Structure of compilers
52	4/5/20	12-1:00	Revision & Question Papers Discussion
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DAYANANDA SAGAR COLLEGE OF ARTS SCIENCE AND COMMERCE

Shavige Malleshwara Hills, Kumarswamy Layout, Bangalore-560082

Internal Quality Assurance Cell (IQAC)

MCA

II Sem: A'

NSM

LESSON PLAN

Week	Date		Topics Covered
	Period	To	
I	31/1/19	7/2/19	1. Floating point Representation & errors. Normalised floating pt, Floating point forms
II	8/2/19	15/2/19	Single & Double precision Errors, Machine epilson, Machine numbers
III	16/2/19	22/2/19	Locating Roots of an equation Bisection method, Newton's method & Secant method
IV	23/2/19	2/3/19	2. Interpolation & Numerical Differentiation. Polynomial interpolation, Lagrange Polynomial
V	5/3/19	12/3/19	Newton form of Interpolating Polynomial. Divided difference Inverse interpolation
VI	13/3/19	20/3/19	First & Second derivatives formula via interpolation Polynomials
VII	21/3/19	28/3/19	Numerical Integration- Trapezoidal, Simpson's $1/3^{rd}$ & Simpson's $3/8^{th}$ Rule
VIII	29/3/19	5/4/19	3 System of Linear equations Gaussian elimination & back substitution partial & Complete pivoting.

Raj

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LESSON PLAN

Week	Date		Topics Covered
	Period	To	
IX	6/4/19	13/4/19	Doolittle, Cholesky & Crout LU decomposition methods Jacobi & Gauss seidal methods, Power method
X	15/4/19	22/4/19	ordinary diff equations Initial value problem, Taylor's Series, Runge-kutta method
XI	23/4/19	30/4/19	4. Basics Concepts & definitions of statistics Mean, Std. deviation
XII	1/5/19	8/5/19	Co-efficient of variation Skewness & Kurtosis, Karl Pearson Correlation
XIII	9/5/19	16/5/19	Rank Correlation Probability Basics Concepts Def^n. Probability axioms, Laws
XIV	17/5/19	24/5/19	Laws of Probability, Conditional Probability Bayer's theorem, Problems
XV	25/5/19	27/5/19	5. Random Variables & Expectations Discrete & Continuous Random Variables, Expectations of R.V
XVI	28/5/19	31/5/19	Probability Distribution, Probability function. Bernoulli Binomial Distribution

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II Sem - B

GE

LESSON PLAN

Week	Date		Topics Covered
	Period	To	
I	31/1/19	9/2/19	Introduction Writing E-mail.
II	11/2/19	16/2/19	Earth Never Dies Listening Skills The Adventure of The Three Students.
III	18/2/19	23/2/19	The Adventure of the Three Students. Question Forms
IV	25/2/19	2/3/19	Tenses The Death of a Government Clerk.
V	4/3/19	9/3/19	The Death of a Goverment Clerk Passive Voice / Active Voice
VI	11/3/19	16/3/19	Ignorance isn't Bliss Inferential Reading Comprehension
VII	18/3/19	23/3/19	Grammar Evaluative Reading.
VIII	25/3/19	30/3/19	Letter Writing

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LESSON PLAN

Week	Date		Topics Covered
	Period	To	
IX	1/4/19	6/4/19	Reporting Verb
X	8/4/19	13/4/19	Modals & Imperatives A Corpse in the Wall
XI	15/4/19	20/4/19	A Corpse in the Wall Paragraph Writing
XII	22/4/19	27/4/19	The Refugee Writing a Review
XIII	29/4/19	4/5/19	It's Time to Call the Bluff. Punctuations & Spellings.
XIV	6/5/19	11/5/19	Revision
XV	13/5/19	18/5/19	Question Paper Discussion
XVI	20/5/19	25/5/19	Question Paper Discussion.

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IV Sem 'A'

OR

LESSON PLAN

Week	Date		Topics Covered
	Period	To	
I	31/1/19	2/2/19	Syllabus, History, Introduction to Operations, Research, Phases of OR, Models in OR, Characteristics, Application. LPP - Formulation,
II	4/2/19	9/2/19	Graphical Method, Basic defns, Simplex Algorithm; Problems related to Simplex Method.
III	11/2/19	16/2/19	Use of Artificial Variables (i) Big-M Method (ii) II-Phase Method
IV	18/2/19	23/2/19	Problems on II-Phase Method. Definitions, Mathematical formulation of Transportation Problem.
V	25/2/19	2/3/19	IBFS - North-West Corner Rule (NWCR) Least Cost Method (LCM) Vogel's Approximation Method (VAM)
VI	4/3/19	9/3/19	MODI-Method; Algorithm, Problems using MODI for Balanced & Unbalanced TP
VII	11/3/19	16/3/19	Degeneracy Problems Mathematical Formulation of Assignment Problem I-internal test
VIII	18/3/19	23/3/19	Problems on Assignment Problem, Hungerian Method Algorithm, Problems on Hungerian Method.

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LESSON PLAN

Week	Date		Topics Covered
	Period	To	
IX	25/3/19	30/3/19	Problems on Balanced and Unbalanced AP & Hungarian Method.
X	1/4/19	6/4/19	Maximization Problems in AP Network Analysis — Basic components, Rules of N/W drawing with Ex
XI	8/4/19	13/4/19	Time Calculation (Forward and Backward Pass Computations) Problems on Basic N/W Drawings
XII	15/4/19	20/4/19	II - internal test CPM - Algorithm; Problems on CPM.
XIII	22/4/19	27/4/19	PERT - Algorithm; Problems on PERT. Introduction to Game Theory Two-Person, zero-sum games.
XIV	29/4/19	4/5/19	Maximin & Minimax Principle Saddle Point & Value of the game Mixed strategy Games.
XV	6/5/19	11/5/19	Probs on Mixed Strategy; Solution for 2X2 games, Graphical Method, Dominance Principle & Probs
XVI	13/5/19	18/5/19	Revision; Previous year QP & Model Papers discussion Sessions.

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IV Sem: 'A'

GE

LESSON PLAN

Week	Date Period	To	Topics Covered
I	31-1-19	2-2-19	Introduction Bridge course
II	4-2-19	9-2-19	Pre-reading activity Poem 'Tongue' critical appreciation - two levels of interpretation and analysis Conclusion with question & answers
III	11-2-19	16-2-19	Poem 'Anything can happen'
IV	18-2-19	23-2-19	Workbook Introduction Understanding the concept - how to narrate the events
V	25-2-19	2-3-19	Poem "Work"
VI	4-3-19	9-3-19	Workbook. Unit - II Objectives - types of reports formats - methods of preparation
VII	11-3-19	16-3-19	Poem "Vulture"
VIII	18-3-19	23-3-19	Workbook - Job skills - differences b/w job & career - types of job applications Pre-paring a resume & cover letter Non-verbal communication

Shwetha. H. B.

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LESSON PLAN

Week	Date		Topics Covered
	Period	To	
IX	25-3-19	30-3-19	Poem "Bertolt Brecht and Buddha the Gautama"
X	1-4-19	6-4-19	Workbook - Presentation skills - objectives - Types of presentation Planning - preparation - exercises.
XI	8-4-19	13-4-19	Poem "Shylock's Defense"
XII	15-4-19	20-4-19	Play "Silence! The Court is in session" Introduction - What is a play - Significance - Indian setting.
XIII	22-4-19	27-4-19	The 'Play' - Characters of the play - Act I - its significance
XIV	29-4-19	4-5-19	Explanation of Act I Significance of the opening scene Character of Benare
XV	6-5-19	11-5-19	The Play 'Silence! The Court- Critical analysation
XVI	13-5-19	18-5-19	Revision

Shwetha. H. B.
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IV Sem : B

UNIX

LESSON PLAN

Week	Date Period	To	Topics Covered
I	31/01/2018	2/2/2019.	Introduction & history Sailent feature, architecture Command formed
II	4/02/2019	9/2/2019	file System Boot inode to new file disk block allocation
III	11/2/2019	16/2/2019	Process management process state Scheduling commands
IV	18/2/2019	23/2/2019	Secondary Storage management formatting, making file, checking disk
V	25/2/2019	2/3/2019	mounting file, disk partitonary file compression, utility filters, streams, editor CED
VI	4/3/2019	9/3/2019	AWK, Unix System calls library fonctions process signals.
VII	11/3/2019	16/3/2019	Interrupts Storage & Compression facilities, shell programming Vi editor
VIII	18/3/2019	23/3/2019	Shell typed command line processing shell scripts features Writting a script

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LESSON PLAN

Week	Date		Topics Covered
	Period	To	
IX	25/3/2019	30/3/2019	User defined variables Expr Command shell screens interface read & echo statement
X	1/4/2019	6/4/2019	command substitutes escape sequence character shell script argument.
XI	8/4/2019	13/4/2019	control structure, looping while, until. for.
XII	15/4/2019	20/4/2019	Jumping control statements break, contine exit
XIII	22/4/2019	27/4/2019	Shell programing converting to above concepts
XIV	29/4/2019	4/5/2019	Unix system Communication introduction to read, write commands:
XV	6/5/2019	11/5/2019	Sending mails system administration, files of a System administrator.
XVI	13/4/2019	18/5/2019	System Startup & shut down User management backup & Restore process name source

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IV Sem : B

VP

LESSON PLAN

Week	Date Period	To	Topics Covered
I	31/1/19	2/2/2019	Introduction to VB Integrated Development Environment VB Editor
II	4/2/19	9/2/19	Form Object, Properties, Name, Caption, BackColor, BorderStyle, ControlBox, MaxButton, minbutton, Moveable, startup position height, width
III	11/2/19	16/2/19	left, top, scalemode, window, state, Sample programs. Events, Load, Unload, Click, Activate Deactivate, Resize, Methods - show, Hide
IV	18/2/19	23/2/19	cls, Unload, Print, Controls - Option Button, Listbox, Frames. Checkbox Combobox, Dialog Box
V	25/2/2019	2/3/2019	Variable, Scope & Declaration, Operators, Sub and Functions. Mathematical and String Functions. Loops & Branch
VI	4/3/19	9/3/19	If - Else - EndIf, Nested Ifs Select - Case, Do - Loops. While - Wend Lab Programs.
VII	11/3/2019	16/3/19	Arrays Introduction, Static & Dynamic Arrays, Arrays & Function Menus & ToolBars - Creating Menus and ToolBars. [Internals]
VIII	18/3/19	23/3/19	MDI form, MS common controls, Class Modules, Encapsulation & Inheritance DLLs, Lab programs. Test

V. Srivatsala
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LESSON PLAN

Week	Date		Topics Covered
	Period	To	
IX	25/3/19	30/3/19	Designing Help files Lab Programs.
X	1/4/19	6/4/19	File handling Sequential, Random Access. Binary files
XI	8/4/19	13/4/19	Introduction to Database Connectivity. DAO,
XII	15/4/19	20/4/19	ADO Tables and Queries ActiveX Data Objects
XIII	22/4/19	27/4/19	Lab Programs. Visual C++ Programming.
XIV	29/4/19	4/5/19	Objects & Classes. VC++ Components. Resources Event Handling Menus in VC++
XV	6/5/19	11/5/19	Dialog Boxes. VBX Controls, MFC File Handling
XVI	13/5/19	18/5/19	Document-View Architecture Serialization Interfacing with other Applications

V. Srivalsala
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VI Sem : A'

CNS

LESSON PLAN

Week	Date Period	To	Topics Covered
I	31/01/19	02/02/19	Information Security Introduction Security Goals, OSI Security model attacks, Services, and Mechanisms. Model of Security (Information)
II	04/02/19	09/02/19	Mathematics of cryptography: Integer Arithmetic Modular Arithmetic
III	11/02/19	16/02/19	Matrices, Linear Congruence Traditional Symmetric-key Cipher, Substitution Cipher Transpositional cipher.
IV	18/02/19	23/02/19	Stream and Block ciphers DES Cipher AES cipher Analysis of DES and AES.
V	25/02/19	02/03/19	Modern Symmetric Key Cipher- use of Stream Cipher and issues Mathematics of public-key cryp-
VI	04/03/19	09/03/19	Primes, primality testing Factorization, Chinese Remainder Theorem, Quadratic Congruence
VII	11/03/19	16/03/19	Exponentiation and logarithms RSA Crypto Systems Rabin Crypto Systems
VIII	18/03/19	23/03/19	Elgamal cryptosystems Cryptographic Hash functions MD Hash and Whirlpool Hash

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VI Sem : A

SP

LESSON PLAN

Week	Date Period	To	Topics Covered
I	31/1/19	4/2/19	UNIT-I: Machine Structure, Evolution of the components of a programming system.
II	4/2/19	9/2/19	Assembler, Loaders, Macros, Compilers, Formal Systems
III	11/2/19	16/2/19	Machine Structure, Machine Language, and Assembly Language, Machine Structure.
IV	18/2/19	23/2/19	Machine language. UNIT-II: Assemblers: Design procedure, Design of Assembler.
V	18/2/19	23/2/19	Statement of Problem, Data Structure, Format of database algorithm, look for modularity
VI	25/2/19	2/3/19	Table processing: Searching and Sorting, The problem,
VII	4/3/19	9/3/19	Searching a table, Linear Search, Binary Search, Sorting Interchange sort,
VIII	11/3/19	16/3/19	Shell Sort, Bucket sort, Radin, Exchange, Comparison Entry Searching.

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LESSON PLAN

Week	Date Period	To	Topics Covered
IX	18/3/19	23/3/19	UNIT-III: Macro instruction. Features. arguments. conditional macro within macro. Statment of problem.
X	25/3/19	30/3/19	A two pass algorithm, single pass algorithm. implementation of macro within macro.
XI	1/4/19	6/4/19	UNIT-IV : Loaders, Schemes, Compile & go, Loading scheme, absolute loaders. Subroutine.
XII	8/4	13/4	Relocating loaders. Direct linking loaders. Other loading schemes. Binders. linking loaders. Overlay
XIII	15/4	20/4	Dynamic binders, design of absolute loader. Direct linking loader, Specification of data str.
XIV	22/4	27/4	UNIT-V: Compilers statment of problem, problem1: Recognizing basic elements, problem2: Recognizing
XV	29/4	4/5	syntatic unit & interpreting meaning problem 3: storage allocation, problem4: code generation.
XVI	6/5	11/5	Optimization, 7 phases of compiler Revision

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VI Sem: B

WP

LESSON PLAN

Week	Date		Topics Covered
	Period	To	
I	31/1/19	2/2/19	Overview of web programming Fundamentals of Web - Internet, WWW, Web browsers, Web servers, URLs
II	4/2/19	9/2/19	MIME, HTTP, Security, The Web Programmers Toolbox. XHTML: Origins & evolution of HTML
III	11/2/19	16/2/19	XHTML Basic syntax, Std. XHTML document structure, Basic text markup, Images, Hypertext Links
IV	18/2/19	23/2/19	Lists, Tables, Forms, Frames Syntactic differences b/w HTML & XHTML, CSS: Introduction, Levels
V	25/2/19	2/3/19	Style specification formats, Selector forms, Property value forms Font properties, List properties
VI	4/3/19	9/3/19	Color, Alignment of text, The Box model, Background images, & tags, Conflict resolution
VII	11/3/19	16/3/19	Overview of JavaScript, object orientation & JavaScript primitives Operations & expressions, Screen o/p
VIII	18/3/19	23/3/19	Keyboard i/p, Control statements object creation & modification, Arrays and Functions

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LESSON PLAN

Week	Date		Topics Covered
	Period	To	
IX	25/3/19	30/3/19	Constructor, Pattern matching using regular expressions, Errors in scripts, examples.
X	1/4/19	6/4/19	Java Script & HTML documents The Java Script execution environment The Document object model
XI	8/4/19	13/4/19	Element access in Java script, Events & event handling, Button elements, Text Box & password elements
XII	15/4/19	20/4/19	DOM 2 event model, Navigator object; DOM tree traversal & modification, Introduction to dynamic documents
XIII	22/4/19	27/4/19	Positioning elements, Moving elements Element visibility, changing colors & fonts, dynamic content, Stacking elements
XIV	29/4/19	4/5/19	Locating the mouse cursor, Mouse events, Dragging & dropping elements XML: Introduction, Syntax, DTD,
XV	6/5/19	11/5/19	namespaces, XML Schemas, Displaying XML documents with CSS, XSLT Style sheets, XML processors, Web Services
XVI	13/5/19	18/5/19	Doubt Clarification, Revision Question Paper Discussion

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VI Sem: B

TOC

LESSON PLAN

Week	Date		Topics Covered
	Period	To	
I	31/1/19	2/2/19	Introduction to FA, Basic notations, Language definition.
II	4/2/19	9/2/19	FA - Definition, Mathematic representation, Transition Diagram, table, Application.
III	11/2/19	16/2/19	DFA - Design, Pattern Recognition problem.
IV	18/2/19	23/2/19	DFA - Design Division by k Problem, Modulo k - counter Problem, NFA Design.
V	25/2/19	2/3/19	NFA - to - DFA, ϵ-NFA, ϵ-NFA to DFA, Theorem.
VI	4/3/19	9/3/19	R.E - Properties, RE to DFA, ϵ-NFA from RE.
VII	11/3/19	16/3/19	~~RE~~ to DFA. Application, Pumping lemma, Properties of Regular languages.
VIII	18/3/19	23/3/19	Minimization of FA. Grammar, Types, Design of language from grammar, CFG to FA.

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LESSON PLAN

Week	Date		Topics Covered
	Period	To	
IX	25/3/19	30/3/19	Pasing, Derivation, pasing tree, Ambiguous grammar.
X	1/4/19	6/4/19	PDA, - Design. Simplification of CFG.
XI	8/4/19	13/4/19	Elimination of ϵ production, Useless symbol, Unit production
XII	15/4/19	20/4/19	CNF, CFG - CNF, CFG - GNF. CFL properties. CFG to PDA.
XIII	22/4/19	27/4/19	TM - Define, language acceptance, Design, TYPES.
XIV	29/4/19	4/5/19	Undecidability. RE Language, Recursive language, Halting Prob, PCP.
XV	6/5/19	11/5/19	Revision
XVI	13/5/19	18/5/19	Revision.

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I Sem - A
DE

LESSON PLAN

Week	Date		Topics Planned
	Period	To	
I	2/7/18	7/7/18	Introduction to Number System - positional and non-positional, Base/Radix, Conversions
II	9/7/18	14/7/18	Conversions - Decimal, Binary, Octal, Hexadecimal, Complements, Signed and Unsigned Nos.
III	16/7/18	21/7/18	Binary Arithmetic - Addition, Subtra Multiplication, Division, Digital Codes - Weighted, Self Comple
IV	23/7/18	28/7/18	Digital Codes - Cyclic or Reflected, Error detection, Correction, Charac Codes, Boolean Algebra Operation
V	30/7/18	4/8/18	B.A operations, postulates, DeMorga Duality, Minimization, Standard forms
VI	6/8/18	11/8/18	Boolean Expression, Truth Table, K-Maps, Simplification and problems.
VII	13/8/18	18/8/18	Logic Gates, Combinational Gates, Logic Circuits using Boolean Expressio Truth Tables, Arithmetic Circuits
VIII	20/8/18	25/8/18	Adder Circuits, NAND implement of the Circuits

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LESSON PLAN

Week	Date		Topics Planned
	Period	To	
IX	27/8/18	1/9/18	Flip flops & Latches, Necessity of Clock, Types of Flip Flops - RS, D, T & JK, Master Slave
X	3/9/18	8/9/18	Shift Register - Basic Data Movements, Types - SISO, SIPO, PIPO & PISO, UART
XI	10/9/18	15/9/18	Modern Electron Theory - definitions, Ohm's Law, Voltage divider, Current divider circuits, KCL, KVL
XII	17/9/18	22/9/18	DC Networks - Types, Terminology, Analysis, Network Theorems - Nodal Voltage Analysis
XIII	24/9/18	29/9/18	Maxwell's Mesh, Super position, Thevinin's, Norton's, Maximum power Transfer, Delta/star
XIV	1/10/18	6/10/18	AC Sinewave, Terminologies - peak, Instantaneous, Average, RMS, Form & peak factor
XV	8/10/18	13/10/18	Semiconductors - Intrinsic, Extrinsic, Diodes, Rectifiers
XVI	15/10/18	20/10/18	Digital IC families - RTL, DTL, TTL, ECL, CMOS

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25/7/18

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III Sem - B

C++

LESSON PLAN

Week	Date		Topics Planned
	Period	To	
I	2/7/18	7/7/18	Unit-I: Introduction to Procedure & Object Oriented languages. Data abstraction, encapsulation, Inheritance Polymorphism, Reusability. Object/cl
II	9/7/18	14/7/18	Creating new Data types, C++ fea iostream class, C++ comments, C++ keywords, Variable declarati
III	16/7/18	21/7/18	Const. Qualifier, Endl, Manipulat Scope resolution operator. New/de Operations, functions: Simple func func. declaration, Calling functio
IV	23/7/18	28/7/18	func. dyn., Passing argument to, returning value from func. Passing structure variable, Pass by reference
V	30/7/18	4/8/18	Different Kinds of argument, Inline fu Unit-II Objects & classes, Class decla Class member, Data Construction, des Member functions.
VI	6/8/18	11/8/18	Class member visibility, Private Public Protected, Scope of class construction Default constructor, Constructor wi argument, Constructor with dyn
VII	13/8/18	18/8/18	Dynamic constructor, Copy constructo overloaded constructor, Class conver manipulation Private Data members.
VIII	20/8/18	25/8/18	Destructor classes, Object & memory arrays as class member data: array of objects, String as class member.

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LESSON PLAN

Week	Date		Topics Planned
	Period	To	
IX	27/8/18	1/9/18	Unit-III: operator overloading, keyword, arguments, return value, Nameless temp Objs, limitations of increment operators, Arithmetic operators, comparision operators, Data conversion,
X	3/9/18	8/9/18	Conversion b/w objects of diff classes. Inheritance: class & Base class, Specifying the Derived class. Overriding member functions, Inheritance: Access combinations,
XI	10/9/18	15/9/18	Class & Structures, Access specifiers, Level of Inheritance, multilevel & Hybrid Inheritance, multiple Inheritance, member functions in multiple Inheritance.
XII	17/9/18	22/9/18	Containership, Classes within classes, Inheritance & program development. Unit-IV Virtual functions: Normal member function accessed with pointers,
XIII	24/9/18	29/9/18	Virtual member functions accessed with pointers, Dynamic Binding, pure virtual functions, friend func. friend classes, the Pointer to Accessing member data with this.
XIV	1/10/18	6/10/18	Templates & Exception Handling: Introduction, Template, Class Template, func. template, member func. template.
XV	8/10/18	13/10/18	Exception Handling. Unit-V Streams, Headerfile, String I/O, writing/reading strings, Detecting End-of-file. Open func.
XVI	15/10/18	20/10/18	Error Handling; Command line arguments.

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VI Sem - A

DCN

LESSON PLAN

Week	Date		Topics Planned
	Period	To	
I	2/7/18	7/7/18	History, Introduction & Importance of N/Ws. Unit-1 - Communication N/W & Services, Approach to N/W design, Fun^n, topologies, Switching tech. Evolution
II	9/7/18	14/7/18	Layered Architecture - OSI - ISO reference Model, TCP/IP Model, Telnet, FTP IP, Digital transmission & its properties.
III	16/7/18	21/7/18	Characterization of Comm^n channels - Frequency domain & time domain, Nyquist, Shannon signaling rate, Modems & digital Modulation.
IV	23/7/18	28/7/18	Unit-II - Transmission systems, twisted Pair, Coaxial Cable, Optical Fibre Radio, Infrared, Error detection & Correction, TWO-dim Parity Check
V	30/7/18	4/8/18	Internet Checksum, Polynomial Codes, Error detecting capabilities of a Polynomial code, Multiplexing - FDM
VI	6/8/18	11/8/18	SONET, Wavelength Division Multiplexing Circuit Switching - Telephone N/W Sig, Traffic & overload Control, Routing I - Internal test
VII	13/8/18	18/8/18	Cellular Telephone N/W, Satellite N/W Unit-III - Peer-to-Peer Protocols - ARQ Stop & Wait Protocols, Go-back-N-ARQ Selective repeat.
VIII	20/8/18	25/8/18	Transmission Efficiency of ARQ, Sliding Window, Timing Recovery in Synchronous Service.

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DAYANANDA SAGAR COLLEGE OF ARTS SCIENCE AND COMMERCE

Shavige Malleshwara Hills, Kumarswamy Layout, Bangalore-560082

Internal Quality Assurance Cell (IQAC)

BCOM

Dayananda Sagar College of Arts, Science and Commerce
Shavige Malleshwara Hills, Kumaraswamy Layout
Bengaluru – 560 111
LESSON PLAN

Subject Name: Quantitative Analysis for Business Decision Course: B.Com Semester: II SEM

Faculty Name: Rajendra Kumar V. R Preparation date:03/05/2021 Section: B

Session No.	Date	Time	Topics Planned
1.	11/05/2021	12pm	Syllabus Introduction
2.	12/05/2021	10pm	**UNIT 1: INTRODUCTION TO STATISTICS –** Introduction, Meaning, Definitions, Features of Statistics
3.	13/05/2021	12pm	Objectives, Functions, Importance and Limitations of Statistics
4.	14/05/2021	9am	-Important terminologies in Statistics – Data, Raw Data, Primary Data, Secondary Data, Population, Census, Survey, Sample Survey, Sampling,
5.	18/05/2021	12pm	Parameter, Unit, Variable, Attribute, Frequency, Series - Individual, discrete and continuous
6.	19/05/2021	10pm	Classification of Data.-Requisites of Good Classification of Data
7.	20/05/2021	12pm	.-Types of Classification – (Video Screening)
8.	21/05/2021	9am	Quantitative and Qualitative Classification (simple illustrations)
9.	25/05/2021	12pm	**UNIT 2: TABULATION AND PRESENTATION OF DATA(INTRODUCTION)**
10.	26/05/2021	10pm	Types of Presentation of Data – Textual Presentation, Tabular Presentation, One-way Table, Two-way Table,
11.	27/05/2021	12pm	-Important terminologies – Variable, Quantitative Variable, Qualitative
12.	28/05/2021	9am	Variable, Discrete Variable, Continuous Variable, Dependent Variable, Independent Variable, Frequency, Class Interval, Tally Bar.
13.	01/06/2021	12pm	Diagrammatic and Graphical Presentation, Rules for Construction of Diagrams and Graphs.
14.	2/06/2021	10pm	Types of Diagrams – One Dimensional Simple Bar Diagram,
15.	3/06/2021	12pm	Sub-divided Bar Diagram, Multiple Bar Diagram, Percentage Bar Diagram,
16.	4/06/2021	9am	Two Dimensional Diagram – Pie Chart, (Video Screening)
17.	8/06/2021	12pm	Graphs – Histogram, Frequency
18.	9/06/2021	10pm	Polygon, Ogives, curve
19.	10/06/2021	12pm	Simple Problems on tabulation,
20.	11/06/2021	9am	Simple Problems on diagrams and Histogram Only
21.	15/06/2021	12pm	**UNIT 3: MEASURES OF CENTRAL TENDENCY (INTRODUCTION)**
22.	16/06/2021	10pm	Meaning and Objectives of Measures of Tendency
23.	17/06/2021	12pm	Requisites of an Ideal Average

	18/06/2021	9am	Types of Averages -Arithmetic Mean, Median and Mode
25.	22/06/2021	12pm	Problems on Calculation of Arithmetic Mean
26.	23/06/2021	10pm	Problems on Calculation of Arithmetic Mean
27.	24/06/2021	12pm	Problems on Calculation of Median
28.	25/06/2021	9am	Problems on Calculation of Median
29.	29/06/2021	12pm	Problems on Calculation of Mode
30.	30/06/2021	10pm	Problems on Calculation of Mode direct method only
31.	1/07/2021	12pm	Problems involving empirical relationship between Mean, Median and Mode
32.	2/07/2021	9am	Problems involving empirical relationship between Mean, Median and Mode (Video Screening)
33.	6/07/2021	12pm	**UNIT 4: MEASURES OF DISPERSION & SKEWNESS (INTRODUCTION)**
34.	7/07/2021	10pm	Meaning and Objectives of Measures of Dispersion
35.	8/07/2021	12pm	Requisites of Good Measure of Dispersion
36.	9/07/2021	9am	Types of Measures of Dispersion
37.	13/07/2021	12pm	Range, Quartile Deviation,
38.	14/07/2021	10pm	Mean Deviation, Standard Deviation
39.	15/07/2021	12pm	Mean Deviation, Standard Deviation- and their Co-efficient problems on direct method only
40.	16/07/2021	9am	Measures of Skewness
41.	20/07/2021	12pm	Meaning, Absolute and Relative Measures
42.	21/07/2021	10pm	Karl Pearson's Coefficient of Skewness
43.	22/07/2021	12pm	Bowley's Coefficient of Skewness
44.	23/07/2021	9am	Problems on Karl Pearson's Coefficient of Skewness (Video Screening)
45.	27/07/2021	12pm	**UNIT 5: CORRELATION, REGRESSION & TIME SERIES ANALYSIS (INTRODUCTION)**
46.	28/07/2021	10pm	Meaning and Types of Correlation
47.	28/07/2021	12pm	Karl Pearson's Coefficient of Correlation
48.	30/07/2021	9am	Spearman's Rank Correlation Coefficient
49.	3/08/2021	12pm	Correlation Coefficient through Regression Coefficient
50.	4/08/2021	10pm	Meaning of Regression, Regression Lines, Regression Coefficients
51.	5/08/2021	12pm	Regression Equations – Problems-Meaning and Components of Time Series (Video Screening)
52.	6/08/2021	9am	Analysis of time series by Moving Averages and Least Squares Method

	10/08/2021	12pm	Revision of previous year Question papers
54.	11/08/2021	10pm	Revision of previous year Question papers
55.	12/08/2021	12pm	Revision of previous year Question papers
56.	13/08/2021	9am	Revision of previous year Question papers

RECOMMENDED BOOKS:

1. QABD – I & II, C M Chikkodi, B.G.Satyaprasad & Amith Kumar C, HPH.
2. QABD –II, S L Agarwal, S L Bhardwaj, KPH.
3. QABD – I, Suma A P, Kavitha L and Rajeshwari S, Skyward Publishers.
4. S P Gupta, Statistical Methods, New Delhi, Sultan Chand.

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LESSON PLAN

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Signature of the Faculty **Signature of the HOD** 3/5/2021 **Signature of the Principal**

DAYANANDA SAGAR COLLEGE OF ARTS SCIENCE AND COMMERCE

Shavige Malleshwara Hills, Kumarswamy Layout, Bangalore-560082

Internal Quality Assurance Cell (IQAC)

Link for Internal assessment policy

Sl. No	Department	Website links
1	MBA	https://www.dscasc.edu.in/images/MBA/Policies/IAP.pdf
2	BBA/ BCom	https://www.dscasc.edu.in/images/policies-bba-bcom/IAP.pdf
3	BCA	https://www.dscasc.edu.in/images/BCA/policies/IAP.pdf
4	MCA	https://www.dscasc.edu.in/images/MCA/Policies/IAP.pdf
5	MCOM	https://www.dscasc.edu.in/images/MCom/policies/IAP.pdf