

BHARATIYA VIDYA BHAVAN, KOCHI KENDRA			
Subject: AI		CLASS: XII	
MONTH	TOPIC	SUB-TOPICS	CONCEPTS
MARCH/ APRIL	PART B: Unit 2: Data Science Methodology: An Analytic Approach to Capstone Project	INTRODUCTION TO DATA SCIENCE METHODOLOGY MODEL VALIDATION MODEL PERFORMANCE - EVALUATION METRICS PRACTICAL ACTIVITIES	Introduction to Data Science Methodology Steps for Data Science Methodology Model Validation Techniques Model Performance- Evaluation Metrics
	PART A: Unit 1 : Communication Skills- IV	<ul style="list-style-type: none"> • Active Listening • Parts of Speech • Writing Sentences 	1. Importance of active listening at workplace 2. Steps to active listening 3. Writing skills to the following: <ul style="list-style-type: none"> • Sentence • Phrase • Kinds of Sentences • Parts of Sentence • Parts of Speech • Articles • Construction of a Paragraph
JUNE	PART B: Unit 3: Making Machines See	HOW MACHINES SEE? WORKING OF COMPUTER VISION COMPUTER VISION – PROCESS APPLICATIONS OF COMPUTER VISION CHALLENGES OF COMPUTER VISION THE FUTURE OF COMPUTER VISION Working with OpenCV:(**For Advanced Learners)	How Machines See Working of Computer Vision Computer Vision Process Applications of Computer Vision Challenges of Computer Vision The Future of Computer Vision Working with OpenCV (**For Advanced Learners)

	PART B: Unit 1: Python Programming – II	Python Libraries Import and Export Data between CSV Files and DataFrames Handling Missing Values	Recap of NumPy library Recap of Pandas Library Importing and Exporting Data between CSV Files and DataFrames Handling missing value Linear Regression algorithm (**For Advanced Learners) PRACTICAL ACTIVITY - Linear Regression algorithm
Unit Test I : 08/06/2026 to 16/06/2026			
JULY	PART A: Unit 2: Self-management Skills - IV	<ul style="list-style-type: none"> • Motivation and Positive Attitude • Result Orientation • Self-awareness 	<ol style="list-style-type: none"> 1. Finding and listing motives(needs and desires); 2. Finding sources of motivation and inspiration (music, books, activities); expansive thoughts; living fully in the present moment; dreaming big Personality <ol style="list-style-type: none"> 1. Describe the meaning of personality 2. Describe how personality influence others 3. Describe basic personality traits 4. Describe common personality disordersparanoid, antisocial,schizoid, borderline, narcissistic, avoidant, dependent and obsessive
	PART B: Unit 5: Introduction to Big Data and Data Analytics	What is Big Data? Types of Big Data Advantages and Disadvantages of Big Data Characteristics of Big Data Big Data Analytics Working on Big Data Analytics Mining Data Streams Future of Big Data Analytics	Introduction to Big Data Types of Big Data Advantages and Disadvantages of Big Data Characteristics of Big Data Big Data Analytics Working on Big Data Analytics Mining Data Streams Future of Big Data Analytics
Unit Test II : 27/07/2026 to 03/08/2026			

August	PART B: Unit 6: Understanding Neural Networks	<ul style="list-style-type: none"> ● Parts of a Neural Network ● Components of a Neural Network ● Working of a Neural Network ● Types of Neural Networks ● Future of Neural Networks and Societal Impact 	<ol style="list-style-type: none"> 1. Parts of a neural network. 2. Components of a neural network. 3. Working of a neural network. 4. Types of neural networks, such as feedforward, convolutional, and recurrent. 5. Impact of neural network on society.
	PART A: Unit 4: Entrepreneurial Skills	<p>Entrepreneurship and Entrepreneur Barriers to Entrepreneurship Entrepreneurial Attitudes Entrepreneurial Competencies</p>	<ol style="list-style-type: none"> 1. Barriers to becoming entrepreneur 2. Behavioral and entrepreneurial competencies– adaptability/ decisiveness, initiative/perseverance, interpersonal skills, organizational skills, stress management, valuing service and diversity 3. Entrepreneurial competencies in particular: self - confidence, initiative, seeing and acting on opportunities, concern for quality, goal setting and risk taking, problem solving and creativity, systematic planning and efficiency, information seeking, persistence, influencing and negotiating, team building
	PART B: Unit 4: AI with Orange Data Mining Tool	<ul style="list-style-type: none"> ● What is Data Mining? ● Introduction to Orange Data Mining Tool ● Beneficiaries of Orange data mining ● Getting started with Orange tool ● Components of Orange ● Default Widget Catalogue ● Key domains of AI with ORANGE DATA MINING TOOL 	<ol style="list-style-type: none"> 1. Introduction to Orange Data Mining Tool 2. Components of Orange Data Mining Tool 3. Key domains of AI with Orange data mining tool – Data Science, Computer Vision, NLP

September	PART B: Unit 7: Generative AI	<ul style="list-style-type: none"> ● Introduction to Generative AI ● Working of Generative AI ● Generative and Discriminative models ● Applications of Generative AI ● LLM- Large Language Model ● Future of Generative AI ● Ethical and Social Implications of Generative AI 	<ol style="list-style-type: none"> 1. Introduction to Generative AI 2. Working of Generative AI 3. Generative and Discriminative models 4. Applications of Generative AI 5. LLM- Large Language Model 6. Future of Generative AI 7. Ethical and Social Implications of Generative AI
	PART A: Unit 5: Green Skills	Green Jobs Importance of Green Jobs	<ol style="list-style-type: none"> 1. Role of green jobs in toxin-free homes, 2. Green organic gardening, public transport and energy conservation, 3. Green jobs in water conservation 4. Green jobs in solar and wind power, waste reduction, reuse and recycling of wastes, 5. Green jobs in green tourism 6. Green jobs in building and construction 7. Green jobs in appropriate technology 8. Role of green jobs in Improving energy and raw materials use 9. Role of green jobs in limiting greenhouse gas emissions 10. Role of green jobs minimizing waste and pollution 11. Role of green jobs in protecting and restoring ecosystems 12. Role of green jobs in support adaptation to the effects of climate change
Skills-IV (3 marks) PART B Subject Specific Skills (40 marks) Unit 2: Data Science Methodology: An Analytic Approach to Capstone Proje			

	<p>PART B: Unit 8: Data Storytelling</p>	<ul style="list-style-type: none"> ● Introduction to Storytelling ● Elements of a Story ● Introduction to Data Storytelling ● Why is Data Storytelling Powerful? ● Essential Elements of Data Storytelling ● Narrative Structure of a Data Story (Freytag's Pyramid) ● Types of Data and Visualizations for Different Data ● Steps to Create a Story Through Data ● Ethics in Data Storytelling 	<ol style="list-style-type: none"> 1. Introduction to Storytelling 2. Elements of a Story 3. Introduction to Data Storytelling 4. Why is Data Storytelling Powerful? 5. Essential Elements of Data Storytelling 6. Narrative Structure of a Data Story (Freytag's Pyramid) 7. Types of Data and Visualizations for Different Data 8. Steps to Create a Story Through Data 9. Ethics in Data Storytelling
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<p>October</p>	<p>PART A: Unit 3: Information and Communication Technology Skills</p>	<p>Getting Started with Spreadsheet Performing Basic Operations in a Spreadsheet Working with Data and Formatting Text Advanced Features in Spreadsheet Presentation Software Opening, Closing, Saving and Printing a Presentation Working with Slides and Text in a Presentation Advanced Features used in Presentation</p>	<p>Spreadsheet Software 1. Introduction to spreadsheet application 2. Spreadsheet applications 3. Creating a new worksheet 4. Opening workbook and entering text 5. Resizing fonts and styles 6. Copying and moving 7. Filter and sorting 8. Formulas and functions 9. Password protection. 10. Printing a spreadsheet. 11. Saving a spreadsheet in various formats. Presentation Software <i>(Saving a spreadsheet in various formats)</i> 1. Introduction to presentation 2. Software packages for presentation 3. Creating a new presentation 4. Adding a slide 5. Deleting a slide 6. Entering and editing text 7. Formatting text 8. Inserting clipart and images 9. Slide layout 10. Saving a presentation 11. Printing a presentation document</p>
<p>Communication Skills-IV (2 marks) Unit 2 : Self Management Skills-IV</p>		<p>PART B Subject Specific Skills Unit 2: Data Science Methodology: An Analytic Approach to Capstone Project Unit 3: Making Machines See Unit 5: Introduction to Big Data and Data Analytics Unit 6 : Understanding Neural Networks Unit 7: Generative AI Unit 8 : Data Story Telling</p>	

BHARATIYA VIDYA BHAVAN, KOCHI
KENDRA YEAR PLAN - 2026-2027
STD: XII- SUBJECT: ECONOMICS (030)

PART A–MACROECONOMICS	
March/ April	Unit II: Money & Banking
June	Unit I-National Income and related aggregates
July	Unit IV: Government budget and the economy Unit V: Balance of Payments
September/October	Unit III: Determination of income and employment

PART-B- INDIAN ECONOMIC DEVELOPMENT	
March/April	Unit VI: Development Experience (1947-90) and Economic Reforms since 1991 1: Indian economy on the eve of Independence 2: Indian economy 1950-1990
June	Unit VI: Development Experience (1947-90) and Economic Reforms since 1991 3: Liberalization, Privatization and Globalization: an appraisal Unit VII: Current challenges facing the Indian Economy 4: Human Capital Formation in India
July	Unit VII: Current challenges facing the Indian Economy 5: Rural development
August	Unit VII: Current challenges facing the Indian Economy 6: Employment: Growth, Informalization and other issues

	7: Environment and Sustainable Development
October	Unit VIII: Development experience of India: A comparison with neighbours 8: Comparative development experiences of India and its neighbours

**Portions for the Examination- STD-XII
Economics (030)**

Portions for UT -I	<u>Macro Economics</u> Unit 2: Money & Banking <u>Indian Economic Development</u> 1: Indian economy on the eve of Independence
Portions for UT -2	<u>Macro Economics</u> Unit 1-National Income and related aggregates <u>Indian Economic Development</u> 2: Indian economy 1950-1990 3: Liberalization, Privatization and Globalization: an appraisal
Pre Model Examination	Portions for UT 1 and UT 2 and <u>Macro Economics</u> Unit 4: Government budget and the economy Unit 5: Balance of Payments <u>Indian Economic Development</u> 4: Human Capital Formation in India 5: Rural development 6: Employment: Growth, Informalization and other issues

	7: Environment and Sustainable Development
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BHARATIYA VIDYA BHAVAN, KOCHI KENDRA**YEAR PLAN FOR THE ACADEMIC YEAR 2026-'27****STD: XII FINANCIAL MARKETS MANAGEMENT (805)**

MONTH	TOPIC	SUB-TOPICS	CONCEPTS
MARCH/ APRIL	PART - B UNIT -1 INTRODUCTION TO INDIAN SECURITIES MARKET AND TRADING MEMBERSHIP	Securities Market segments and products Market Reforms Trading memberships	1 Market segments 1.2 key indicators of Securities Markets 1.3 Products and Participants 1.4 Market segments and their products 1.5 Reforms in Indian Securities Markets 1.6 Stock Brokers 1.7 NSE Membership 1.8 Surrender of Trading membership 1.9 Suspension and Expulsion of Membership 1.10 Declaration of Defaulter 1.11 Authorized Persons 1.12 Sub-brokers 1.13 Broker-Clients Relations 1.14 Sub-broker client Relations 1.15 Investors Service Cell and Arbitration 1.16 Code of Advertisement Activity
UNIT TEST – 1 08/06/2026 – 15/06/2026			
JUNE	PART - A UNIT 1 COMMUNICATION SKILLS – IV PART - A UNIT: 2 SELF MANAGEMENT SKILLS – IV	Session 1 Active Listening Session 2 Parts of Speech Session 3 Writing Sentences Session 1 Motivation and Positive Attitude Session 2 Result Orientation Session 3 Self-awareness	<ul style="list-style-type: none">• Importance of active listening• Steps to active listening • Sources of motivation and inspiration• Personality

<p style="text-align: center;"><u>JUNE</u></p>	<p style="text-align: center;">PART - B UNIT 2 TRADING</p>	<p>Over view of Trading network and NEAT screen</p> <p>Inquiry Screens</p> <p>Order Management</p>	<p>2.1 introduction 2.2 NEAT system 2.3 Market Type 2.4 Trading System Users' Hierarchy 2.5 local database 2.6 Market phases 2.7 logging on 2.8 logging off/exit from the application 2.9 NEAT Screen 2.10 Invoking an Inquiry Screen 2.11 Order managed on NEAT 2.12 Internet Broking 2.13 Co-location 2.14 Wireless Application Protocol</p>
<p style="text-align: center;"><u>JULY</u></p>	<p style="text-align: center;">PART-B- UNIT 3: CLEARING AND SETTLEMENT, LEGAL FRAMEWORK</p>	<p>Clearing and Settlement Risk Management and Reports Legal Framework</p>	<p>3.1 Introduction 3.2 Key Technologies used in Clearing and Settlement Process 3.3 Transaction Cycle 3.4 Settlement Agencies 3.5 Clearing and Settlement Process 3.6 Securities and Funds Settlement 3.7 Shortages Handling 3.9 Risk management 3.10 International Securities Identification number 3.11 SEBI Regulations 2008 3.12 SEBI (Prohibition of Insider Trading) 3.13 SEBI (Prohibition of fraudulent and Unfair Trade Practices regulating to securities market) 3.14 The Depositories Act, 1996</p>
<p>UNIT TEST II 27/07/2026 - 03/08/2026</p>			

<p style="text-align: center;"><u>AUGUST</u></p>	<p>PART - A UNIT 3: ICT SKILLS – IV</p>	<p>Session 1 Getting Started with Spreadsheet Session 2 Performing Basic Operations in a Spreadsheet Session 3 Working with Data and Formatting Text Session 4 Advanced Features in Spreadsheet Session 5 Presentation Software Session 6 Opening, Closing, Saving and Printing a Presentation Session 7 Working with Slides and Text in a Presentation Session 8 Advanced Features used in Presentation</p>	<p>Spreadsheet Software 1. Introduction to spreadsheet application 2. Spreadsheet applications 3. Creating a new worksheet 4. Opening workbook and entering text 5. Resizing fonts and styles 6. Copying and moving 7. Filter and sorting 8. Formulas and functions 9. Password protection. 10. Printing a spreadsheet.</p> <p>Presentation Software <i>(Saving a spreadsheet in various formats)</i> 1. Introduction to presentation 2. Software packages for presentation 3. Creating a new presentation 4. Adding a slide 5. Deleting a slide 6. Entering and editing text 7. Formatting text 8. Inserting clipart and images 9. Slide layout 10. Saving a presentation 11. Printing a presentation document</p>
<p style="text-align: center;"><u>AUGUST</u></p>	<p>PART-B- UNIT 4 FINANCIAL STATEMENT ANALYSIS</p>	<p>Overview on Financial Statement Analysis Ratio Analysis and its types</p>	<p>4.1 CONCEPTS & MODES OF ANALYSIS 4.1 .1 What is Simple Interest? 4.1.2 What is Compound Interest 4.1.3 What is meant by the Time Value of Money? 4.1.4 How to go about systematically analyzing a company?</p> <p>4.2 Ratio Analysis 4.2.1 Liquidity ratios 4.2.2 Leverage/Capital structure Ratios 4.2.3 Profitability Ratio</p>

<p><u>SEPTEMBER</u></p>	<p>PART-A UNIT-4 ENTREPRENEURIAL SKILLS - IV</p>	<p>Session 1 Entrepreneurship and Entrepreneur Session 2 Barriers to Entrepreneurship Session 3 Entrepreneurial Attitudes Session 4 Entrepreneurial Competencies</p>	<ol style="list-style-type: none"> 1. Barriers to becoming entrepreneur 2. Behavioral and entrepreneurial competencies– adaptability/ decisiveness, initiative/perseverance, interpersonal skills, organizational skills, stress management, valuing service and diversity 3. Entrepreneurial competencies in particular: self - confidence, initiative, seeing and acting on opportunities, concern for quality, goal setting and risk taking, problem solving and creativity, systematic planning and efficiency, information seeking, persistence, influencing and negotiating, team building
<p><u>SEPTEMBER</u></p>	<p>PART-A UNIT-5 GREEN SKILLS</p>	<p>Session 1 Green Jobs Session 2 Importance of Green Jobs</p>	<ol style="list-style-type: none"> 1. Role of green jobs in toxin-free homes, 2. Green organic gardening, public transport and energy conservation, 3. Green jobs in water conservation 4. Green jobs in solar and wind power, waste reduction, reuse and recycling of wastes, 5. Green jobs in green tourism 6. Green jobs in building and construction 7. Green jobs in appropriate technology 8. Role of green jobs in Improving energy and raw materials use 9. Role of green jobs in limiting greenhouse gas emissions 10. Role of green jobs minimizing waste and pollution 11. Role of green jobs in protecting and restoring ecosystems 12. Role of green jobs in support adaptation to the effects of climate change

<u>SEPTEMBER</u>	PART-B UNIT-5 INTRODUCTION TO DERIVATIVES	Overview on Derivatives Understanding Interest Rates and Index significance	5.1 Types of Derivative Contracts 5.2 Basic Derivatives 5.3 History of Financial Derivatives Markets 5.4 Participants in a Derivatives Markets 5.5 Economic Function of the Derivative 5.6 Understanding Interest Rates 5.7 Understanding the Stock Index 5.8 Economic significance of Index Movements 5.9 Index Construction 5.10 Desirable Attributes of An Index 5.11 Applications of index
PRE MODEL EXAMINATION: 28/09/2026- 09/10/2026			
<u>OCTOBER</u>	PART-B UNIT-6 FUTURE OPTION CONTRACTS MECHANISM AND PRICING	Forward Vs Futures Contracts Option Terminology	6.1 Forward 6.2 limitations of Forward Markets 6.3 Introduction to Futures 6.4 Distinction between Futures and Forwards Contracts 6.5 Futures terminologies 6.6 Trading Underlying Vs Trading Single Stock Futures 6.7 Futures Payoffs 6.8 Pricing Futures 6.9 Understanding Beta 6.10 Numerical Illustration of Applications of Stock Futures 6.11 Hedging using Stock Index Futures 6.12 Difference between Future and Option 6.13 Option payoff 6.14 Payoff profile for buyers and sellers 6.15 Application of Option
MODEL EXAMINATION: 23/11/2026- 14/12/2026			

BHARATIYA VIDYA BHAVAN, KOCHI

YEAR PLAN FOR THE ACADEMIC YEAR 2026-27

SUB: FOOD, NUTRITION AND DIETITICS(834)

CLASS: XII

MONTH	TOPIC	SUB-TOPICS	CONCEPTS
MARCH-APRIL	PART B Unit 1 : Clinical and Therapeutic Nutrition	Chapter 1 Therapeutic Nutrition Chapter 2 Therapeutic Diets Chapter 3 Nutrition and Infection	Role of Dietitian in Health Care Role of Dietitian in Nutrition Care Types of Dietary Adaptations for Therapeutic Needs A. Diets of Altered Consistency B. Modification in Quantity C. Modification in Nutrient (Protein, Fat, Carbohydrate) D. Changes in Meal Frequency E. Changes in Method of Cooking F. Modification in the Method of Feeding The cycle of malnutrition and infection Infection and Nutritional Status
	PART A Unit 1: Communication Skills	Session 1 Active Listening Session 2 Parts of Speech	Factors affecting active listening Using capitals, punctuations basic and supporting parts of speech
JUNE	PART B Unit 1 : Clinical and Therapeutic Nutrition Unit 2 : Diet in Health and Disease: cause, physiological conditions, clinical symptoms and dietary management	Chapter 4 Methods of Cooking Chapter 5 Fever (Acute & Chronic) Chapter 6 Diarrhoea Chapter 7 Eating Disorders (Anorexia Nervosa, Bulimia, Binge Eating)	Principles of cooking food Cooking methods - Moist ,Dry heat & Combination Method Fever: Definition, Causes & Symptoms Classification and Types Metabolic Changes during Fever Dietary Management of Sub-Acute Fever,Chronic Fever Diarrhea: Definition, Causes & Symptoms Treatment and management of diarrhea What are Eating Disorders? Clinical Characteristics, Sign, Symptoms of Eating Disorders Management of Eating Disorders
	PART A Unit 1: Communication Skills	Session 3 Writing Sentences	Simple and complex sentences Types of object

JUNE	FIRST UNIT TEST - PART A: Unit 1: Communication Skills (Active Listening ;Parts of Speech) PART B:Unit 1 : Clinical and Therapeutic Nutrition (Chapters 1; 2; 3)		
JULY	PART B Unit 2 : Diet in Health and Disease: cause, physiological conditions, clinical symptoms and dietary management Unit 3 : Diet in Health and Disease - II	Chapter 8 Overweight/Obesity Chapter 9 Hypertension Chapter 10 Diabetes	Why should we avoid Obesity? Causes General Strategies for Obesity Prevention Dietary Management of Obesity Symptoms and Physiological Conditions Management of Hypertension & Dietetics Symptoms & Physiological Conditions Management of Diabetes & Dietetics
	PART A Unit 2: Self-management Skills	Session 1 Motivation and Positive Attitude Session 2 Result Orientation Session 3 Self-awareness	1. Finding and listing motives(needs and desires); 2. Finding sources of motivation and inspiration (music, books, activities); expansive thoughts; living fully in the present moment; dreaming big Personality 1. Describe the meaning of personality 2. Describe how personality influence others 3. Describe basic personality traits 4. Describe common personality disordersparanoid, antisocial,schizoid, borderline, narcissistic, avoidant, dependent and obsessive
JULY	SECOND UNIT TEST - PART A:Unit 1: Communication Skills (Writing Sentences); Unit 2: Self-management Skills PART B: Unit 1 : Clinical and Therapeutic Nutrition (Chapter 4); Unit 2 : Diet in Health and Disease: cause, physiological conditions, clinical symptoms and dietary management (Chapters 5, 6, 7 & 8)		
AUGUST	PART B Unit 3 : Diet in Health and Disease - II	Chapter 11 Jaundice/ Hepatitis Chapter 12 Celiac disease, Lactose Intolerance & Peptic ulcer	Symptoms & Physiological Conditions Management of Hepatitis & Dietetics Clinical Symptoms and Physiological Conditions Management of Jaundice & Dietetics Malabsorption Syndrome Causes Symptoms & Physiological Conditions Management of Celiac Disease; Lactose Intolerance; peptic ulcers And Dietetics

	PART A Unit 4: Entrepreneurship Skills	Session 1 Entrepreneurship and Entrepreneur Session 2 Barriers to Entrepreneurship Session 3 Entrepreneurial Attitudes Session 4 Entrepreneurial Competencies	1. Barriers to becoming entrepreneur 2. Behavioral and entrepreneurial competencies– adaptability/decisiveness, initiative/perseverance, interpersonal skills, organizational skills, stress management, valuing service and diversity 3. Entrepreneurial competencies in particular: self -confidence, initiative, seeing and acting on opportunities, concern for quality, goal setting and risk taking, problem solving and creativity, systematic planning and efficiency, information seeking, persistence, influencing and negotiating, team building
SEPTEMBER	PART B Unit 4 : Food Safety and Quality Control	Chapter 13 Food Hazards Chapter 14 Personal Hygiene & Food Hygiene Chapter 15 Food Adulteration	Food safety hazards Food Borne Disease Prevention and Control Types of Personal Hygiene Environmental Sanitation and Safety Integrated Pest Management and Food Safety Types of Adulteration Fssai III Effects of Adulterants
	PART A Unit 5: Green Skills	Session 1 Green Jobs Session 2 Importance of Green Jobs	1. Role of green jobs in toxin-free homes, 2. Green organic gardening, public transport and energy conservation, 3. Green jobs in water conservation 4. Green jobs in solar and wind power, waste reduction, reuse and recycling of wastes, 5. Green jobs in green tourism 6. Green jobs in building and construction 7. Green jobs in appropriate technology 8. Role of green jobs in Improving energy and raw materials use 9. Role of green jobs in limiting greenhouse gas emissions 10. Role of green jobs minimizing waste and pollution 11. Role of green jobs in protecting and restoring ecosystems 12. Role of green jobs in support adaptation to the effects of climate change
SEPTEMBER- OCTOBER	PRE MODEL EXAMINATION - PART A (Unit 1; 2; 4; 5)		

OCTOBER	PART B Unit 4 : Food Safety and Quality	Chapter 16 Reading and Understanding Food labels Chapter 17 HFSS Foods and their implications	Advantages and Limitations of food label Information of the Nutritional Facts provided by Label Standard/Certification Mark Guiding Principles of Nutrition Labelling HFSS Foods' and Ingredients of Concern Preventive Measures
	PART A Unit 3: Information and Communication Technology Skills	Session 1 Getting Started with Spreadsheet Session 2 Performing Basic Operations in a Spreadsheet Session 3 Working with Data and Formatting Text Session 4 Advanced Features in Spreadsheet Session 5 Presentation Software Session 6 Opening, Closing, Saving and Printing a Presentation Session 7 Working with Slides and Text in a Presentation Session 8 Advanced Features used in Presentation	Spreadsheet Software 1. Introduction to spreadsheet application 2. Spreadsheet applications 3. Creating a new worksheet 4. Opening workbook and entering text 5. Resizing fonts and styles 6. Copying and moving 7. Filter and sorting 8. Formulas and functions 9. Password protection. 10. Printing a spreadsheet. 11. Saving a spreadsheet in various formats. Presentation Software (Saving a spreadsheet in various formats) 1. Introduction to presentation 2. Software packages for presentation 3. Creating a new presentation 4. Adding a slide 5. Deleting a slide 6. Entering and editing text 7. Formatting text 8. Inserting clipart and images 9. Slide layout 10. Saving a presentation 11. Printing a presentation document
NOVEMBER-DECEMBER	FIRST MODEL EXAMINATION		
JANUARY	SECOND MODEL EXAMINATION		

BHARATIYA VIDYA BHAVAN, KOCHI

YEAR PLAN FOR THE ACADEMIC YEAR 2026-27

SUBJECT: HOME SCIENCE

CLASS: XII

MONTH	TOPIC	SUB-TOPICS	CONCEPTS
MARCH	Chapter 1 - Work, livelihood and Career	<ol style="list-style-type: none"> 1. Work, careers and livelihood 2. Traditional occupation in India 3. Work ,Age and Gender 4. Life skills for livelihood 5. Ergonomics 6. Entrepreneurship 	<ol style="list-style-type: none"> 1. Agriculture, Handicraft, Indian cuisine, Visual arts 2. KGBV, BBPY 3. Soft skills at work place 4. Four pillars - Anthropometry, Biomechanics, Industrial psychology, Physiology 5. Entrepreneurs and social entrepreneurs
APRIL	Chapter 2 - Clinical Nutrition and Dietetics	<ol style="list-style-type: none"> 1. Basic concepts 2. Diet therapy 3. Types of diet 4. Feeding routes 5. Scope 	<ol style="list-style-type: none"> 1. Nutrition and clinical nutrition 2. Diet therapy - Objectives 3. Regular and modified diets 4. Intravenous and tube feeding
JUNE	Chapter 3 Public Nutrition and Health	<ol style="list-style-type: none"> 1. Basic concept 2. Nutritional Problems of India 3. Strategies/Intervention to tackle Nutritional problems 4. Health Care 5. Scope 	<ol style="list-style-type: none"> 1. Public health nutrition 2. PEM and micronutrient deficiencies 3. Nutrient based and diet based strategies, ICDS, Food supplementation and food security programme, NDCP 4. Primary, secondary and tertiary health care
JUNE	UNIT TEST I- CHAPTERS 1 & 2		
JUNE	Chapter 4 Food Processing and Technology	<ol style="list-style-type: none"> 1. Basic concepts 2. Importance of Food processing and Preservation 3. Classification of food on the basis of extent and type of processing 4. Scope 	<ol style="list-style-type: none"> 1. Food science, food processing, food technology and food manufacturing 2. Perishable, semi-perishable and non- perishable foods 3. Preserved foods, manufactured foods, formulated foods, food derivatives, functional foods, medical foods
JUNE	Chapter 5 - Food Quality and Food Safety	<ol style="list-style-type: none"> 1. Basic concepts 2. Food standards regulation in India-FSSA (2006) 3. International Organization and agreements in the area of Food Standards, Quality, Research and Trade 4. Food Safety Management Systems 5. Scope 	<ol style="list-style-type: none"> 1. Food safety (Toxicity & Hazard), Hazards (Physical, chemical and biological), Food infection, Food poisoning, Food quality, food adulteration and contamination 2. National, Company, Regional and international standards 3. Codex Alimentarius Commission, International Organization for Standardisation & World Trade Organization 4. Good manufacturing practices (GMP), Good handling practices (GHP), Hazard Analysis Critical Control Points (HACCP)
JULY	Chapter 6 - Early Childhood Care and Education	<ol style="list-style-type: none"> 1. Significance 2. Basic concepts 3. Scope 	<ol style="list-style-type: none"> 1. Toddler, Creche, Montessori, 2. Objectives and guiding principles of ECCE
JULY	Chapter 7 - Management of Support Services, Institutions and Programmes for Children, Youth and Elderly	<ol style="list-style-type: none"> 1. Basic Concepts 2. Why are children vulnerable? 3. Institutions, programmes and initiatives for children 4. Why are Youth vulnerable? 5. Youth programmes in India 6. Why are the elderly vulnerable? 7. Some programmes for the elderly 8.Scope 	<ol style="list-style-type: none"> 1. ICDS, SOS Children’s Village, Children’s Homes run by the Government, Adoption 2. NSS, NSVS, Prmotion of adventure, Scouts and guides, CYP, PNI 3. Oldage home, respite home, NOAPS, mobile medicare unit 4. People skill and administrative skill
JULY	Chapter 8 - Design for Fabric and Apparel	<ol style="list-style-type: none"> 1. Basic concepts 2. Elements of design 3. Principles of Design 4. Scope 	<ol style="list-style-type: none"> 1. Design: Structural & Applied 2. Colour, Texture, Line, Shapes or form 3. Proportion, Balance, Emphasis, Rhythm, Harmony
JULY	UNIT TEST II - CHAPTERS 3,4, 5 & 6		

AUGUST	Chapter 9 - Fashion Design and Merchandising	<ol style="list-style-type: none"> 1. Basic Concepts 2. Fashion terminology 3. Fashion Development 4. Fashion Merchandising 5. Fashion Retail Organization 6. Scope 	<ol style="list-style-type: none"> 1. Fashion ,fads, style, classic 2. France-The centre of fashion, Fashion Evolution, Fashion cycle 3. Retail organisation merchandising, buying agency merchandising, export house merchandising 4. Market segmentation - Demographic, geographic, psychographic, behavioural 5. Small single unit store, department store, chain store 6. forecasting ability, analyticalability and communication skill
	Chapter 10 - Care and Maintenance of Fabrics in Institutions	<ol style="list-style-type: none"> 1. Basic concepts 2. Institutions 3. Scope 	<ol style="list-style-type: none"> 1. Washing equipment, Drying equipment, Ironing/pressing equipment 2. Laundry in hospitals and hotels
SEPTEMBER	Chapter 11 - Hospitality Management	<ol style="list-style-type: none"> 1. Basic concepts 2. Departments involved in hospitality management of an organization 3. Scope 	<ol style="list-style-type: none"> 1. Hospitality, Guest cycle, 2. Front office, House keeping department, Food and beverage department - Kitchen stewarding
SEPTEMBER	Chapter 12 - Consumer Education and Protection	<ol style="list-style-type: none"> 1. Significance of consumer education and protection 2. Basic concepts 3. Standardized marks 4. Protection Councils 5. Consumer Responsibilities 6. Scope 	<ol style="list-style-type: none"> 1. Consumer product, Consumer behaviour, Consumer forum, Consumer footfalls, Consumer problems, Consumer rights 2. ISI, Wool Mark, Hall Mark, Silk Mark
SEPTEMBER - OCTOBER	PRE MODEL EXAMINATION - CHAPTERS 1, 2, 3, 4, 5, 6, 7,8, 9, 10, 11, 12		
OCTOBER	Chapter 13: Development communication and Journalism	<ol style="list-style-type: none"> 1. Significance 2. Basic concepts 3. Methods of communication 4. Scope and career avenues in development communication 	<ol style="list-style-type: none"> 1. Development, Development journalism, Development Communication 2. Campaign 3. Radio and television 4. Print media - Project village Chhatera 5. Information and communication technologies - SEWA, SARI,CLCs
NOVEMBER-DECEMBER	FIRST MODEL EXAMINATION		
JANUARY	SECOND MODEL EXAMINATION		

BHARATIYA VIDYA BHAVAN, KOCHI KENDRA

YEAR PLAN MATHEMATICS(041)

CLASS XII 2026-2027

MONTH	TOPIC	SUB-TOPICS	CONCEPTS
MARCH	3.MATRICES	Introduction Matrix Types of matrices Operations on matrices Transpose of a matrix symmetric and skew symmetric matrices. Invertible matrices	Concept, notation, order, equality, types of matrices, zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices. Operation on matrices: Addition and multiplication and multiplication with a scalar. Simple properties of addition, multiplication and scalar multiplication. Non- commutativity of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (restricted to square matrices of order 2). Invertible matrices and proof of the uniqueness of inverse, if it exists; (Here all matrices will have real entries).
APRIL	4.DETERMINANTS	Introduction Determinant Area of a Triangle Minors and Cofactors Adjoint and Inverse of a Matrix Applications of Determinants and Matrices	Determinant of a square matrix (up to 3 x 3 matrices), minors, cofactors and applications of determinants in finding the area of a triangle Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of systems of linear equations by examples, solving systems of linear equations in two or three variables (having unique solution) using inverse of a matrix.
JUNE	1.RELATIONS AND FUNCTIONS (Not for first Unit Test)	Introduction Types of Relations Types of Functions	Types of relations: reflexive, symmetric, transitive and equivalence relations. One to one and onto functions.
FIRST UNIT TEST(08/06/26 - 17/06/26) (chapters 3 and 4)			

JUNE	2 .INVERSE TRIGONOMETRIC FUNCTIONS	Introduction Basic Concepts	Definition, range, domain, principal value branch. Graphs of inverse trigonometric functions
JUNE	5.CONTINUITY & DIFFERENTIABILITY	Introduction Continuity Differentiability Exponential and Logarithmic Functions Logarithmic Differentiation Derivatives of Functions in Parametric Forms Second Order Derivative	Continuity and differentiability, chain rule, derivative of COMPOSITE FUNCTIONS, inverse trigonometric functions like $\sin^{-1} x$, $\cos^{-1} x$, $\tan^{-1} x$, derivative of implicit functions. Concept of exponential and logarithmic functions. Derivatives of logarithmic and exponential functions. Logarithmic differentiation, derivative of functions expressed in parametric forms. Second order derivatives.
JULY	6 .APPLICATION OF DERIVATIVES (NOT INCLUDED FOR SECOND UNIT TEST)	Introduction Rate of Change of Quantities Increasing and Decreasing Functions Maxima and Minima	Rate of change of quantities, increasing/decreasing functions, maxima and minima (first derivative test motivated geometrically and second derivative test given as a provable tool). Simple problems (that illustrate basic principles and understanding of the subject as well as real life situations).
SECOND UNIT TEST(Chapters 1,2,5) (27/07/26 - 03/08/26)			
JULY	7.INTEGRALS	Introduction Integration as an Inverse Process of Differentiation Methods of Integration Integrals of Some Particular Functions Integration by	Integration as an inverse process of differentiation. Integration of a variety of functions by substitution, by partial fractions and by parts, Evaluation of special integrals. Fundamental theorem of calculus (without proof), Basic properties of definite integrals and evaluation of definite integrals.

		Partial Fractions Integration by Parts Definite Integral	
AUGUST	8. Application of Integrals	Introduction Area under Simple Curves	Applications in finding the area under simple curves, especially lines, circles/ parabolas/ellipses; (in standard form only)
AUGUST	9. Differential Equations	Introduction Basic Concepts General and Particular Solutions of a Differential Equation Methods of Solving First Order, First Degree Differential Equations	Definition, order and degree, general and particular solutions of a differential equation. Solution of differential equations by method of separation of variables, solutions of homogeneous differential equations of first order and first degree . Solutions of linear differential equation of the type $dy/dx + P y = Q$, where P and Q are functions of x or constants . $dx/dy + Px = Q$ where P and Q are functions of y or constants

SEPTEMBER	10. Vectors	<p>Introduction Some Basic Concepts Types of Vectors Addition of Vectors Multiplication of a Vector by a Scalar Product of Two Vectors</p>	<p>Vectors and scalars, magnitude and direction of a vector ,direction cosines and direction ratios of a vector ,types of vectors,(equal, unit, zero ,parallel and collinear vectors)position vector of a point,negative of a vector, components of a vector ,addition of vectors ,multiplication of vectors by a scalar ,position vector of a point dividing a line segment in a given ratio,definition ,geometrical interpretation ,properties and application of scalar product of vectors ,vector product of vectors</p>
<p>PRE MODEL EXAM (7/10/26 to 18/10/26) (Chapters1,2,3,4,5,6,7,8,9,10)</p>			

OCTOBER	11. Three dimensional Geometry	Introduction Direction Cosines and Direction Ratios of a Line Equation of a Line in Space Angle between Two Lines Shortest Distance between Two Lines	Direction cosines and direction ratios of a line joining two points. Cartesian equation and vector equation of a line, skew lines, shortest distance between two lines. Angle between 2 lines
OCTOBER	12.LINEAR PROGRAMMING	Introduction Linear Programming Problem	Introduction, related terminology such as constraints, objective function, optimization, Graphical method of solution for problems in two variables, feasible and infeasible regions (bounded OR unbounded), feasible and infeasible solutions, optimal feasible solutions (up to three non-trivial constraints).

OCTOBER	13. Probability	Introduction Conditional Probability Multiplication Theorem on Probability Independent Events Bayes' Theorem	Conditional probability, multiplication theorem on probability, independent events, total probability, Bayes' theorem.
FIRST MODEL EXAM (23/11/2026 TO 14/12/2026)			

PAT

YEAR PLAN FOR CLASS XII – 2026-27

MONTH	TOPIC
JUNE	PART A UNIT 1 – Communication Skills & Part B Unit 1 – Overview Of Physical Education & Sports Sectors
JULY	PART A UNIT 2 – SELF MANAGEMENT SKILLS, PART B UNIT 1 – OVERVIEW OF PHYSICAL EDUCATION & SPORTS SECTORS & PART B UNIT 2 – ASSESSMENT OF STUDENTS
AUGUST	PART B UNIT 2 – ASSESSMENT OF STUDENTS
SEPTEMBER	PART B UNIT 3 – EMERGENCY MANAGEMENT
OCTOBER	PART A – UNIT 3 – INFORMATION AND COMMUNICATION TECHNOLOGY SKILLS & PART B – UNIT 4 – HEALTH AND HYGIENE IN PLAY AREA
NOVEMBER	PART A UNIT 4 – ENTREPRENURAL SKILLS & PART A UNIT 5 – GREEN SKILLS

Physical Education
Year Plan-class XII -2026-2027

June	<ul style="list-style-type: none"> • Physical fitness exercise • Training in Sports and games • Selection for Annual Sports day • BMI • March Past • HPE Activity.
July	<ul style="list-style-type: none"> • HPE Fitness assessment • External competitions & Intramural competitions • Training in physical fitness and various sports and games, • BMI • Inter class competition • March Past • Selection for annual sports day.
August	<ul style="list-style-type: none"> • March past training • Selection for Annual sports meet • Training for external competitions • Major games • Inter house competition • HPE Fitness assessment • HPC Activity
September	<ul style="list-style-type: none"> • Organizing sports day • Training for external competitions & Intramural competitions Inter class competition • HPE Fitness assessment • Practice session for major sports and games.
October	<ul style="list-style-type: none"> • General fitness exercises • Training in various sports and games • HPE Fitness assessment • Inter house and Inter class competition.
November	<ul style="list-style-type: none"> • General fitness exercise • Inter house and inter class competition • HPE Fitness assessment • Practice for various sports and games
December	<ul style="list-style-type: none"> • Assessment and grading

BHARATIYA VIDYA BHAVAN , KOCHI
YEAR PLAN 2026-2027
STD XII ENGLISH

MONTH	MAIN TEXT (FLAMINGO)	SUPPLEMENTARY READER (VISTAS)	WRITING
MARCH / APRIL (25 DAYS)	THE LAST LESSON LOST SPRING MY MOTHER AT SIXTY-SIX (P)	THE THIRD LEVEL THE TIGER KING	NOTICE
UNIT TEST 1 (JUNE 8 - 16)			
JUNE (23 DAYS)	DEEP WATER KEEPING QUIET (P)	JOURNEY TO THE END OF THE EARTH THE ENEMY (not to be included for UT -2)	LETTER TO THE EDITOR
JULY (25 DAYS)	A THING OF BEAUTY (P) A ROADSIDE STAND (P) (not to be included for UT -2) INDIGO (not to be included for UT-2)	ON THE FACE OF IT (not to be included for UT-2)	INVITATION (FORMAL AND INFORMAL)
UNIT TEST 2 (JULY 27 - AUG 3)			
AUGUST (16 DAYS)	THE RATTRAP AUNT JENNIFER'S TIGERS (P) GOING PLACES (not to be included for Pre Model Examination)		REPORT WRITING (NEWSPAPER & MAGAZINE) ARTICLE
SEPTEMBER (22 DAYS)	THE INTERVIEW (not to be included for Pre Model Examination)	MEMORIES OF CHILDHOOD (not to be included for Pre Model Examination)	
PRE MODEL EXAMINATION (SEPT 28 - OCT 9)			
OCTOBER (22 DAYS)	POETS AND PANCAKES (not to be included for Pre Model Examination)		JOB APPLICATION

FIRST MODEL EXAMINATION (NOV 23 - DEC 14)			
SECOND MODEL EXAMINATION (JAN 4 - JAN 22)			

BHARATIYA VIDYA BHAVAN, KOCHI KENDRA
YEAR PLAN FOR THE ACADEMIC YEAR 2026-27

CLASS	XII		
SUBJECT	ACCOUNTANCY (055)		
MONTH	TOPIC	SUB-TOPICS	CONCEPTS
MARCH/ APRIL	ACCOUNTING FOR SHARE CAPITAL	8.1 Features of a Company 8.2 Kinds of Companies 8.3 Share Capital of a Company 8.4 Nature and Classes of Shares 8.5 Issue of Shares 8.6 Accounting Treatment 8.7 Forfeiture of Shares	Company and Share Capital Features of a Company Kind of Companies. Share Capital of a Company and its Categories. Nature and Classes of Shares. Issue of Shares. Accounting Treatment, Calls in Arrears and Calls in Advance, Over Subscription and Under Subscription, Issue of Shares at a Premium and at a Discount, Issue of Shares for Consideration other than Cash. Forfeiture of Shares. Reissue of Forfeited Shares.
UNIT TEST 1 - 25 MARKS			
JUNE	ISSUE OF DEBENTURES	9.1 Meaning of Debentures 9.2 Distinction between Shares and Debentures 9.3 Types of Debentures 9.4 Terms of Issue of Debentures 9.5 Over Subscription 9.6 Issue of Debentures for Consideration other than Cash 9.7 Issue of Debentures as a Collateral Security 9.8 Issue of Debentures 9.9 Interest on Debentures 9.10 Writing off Discount/Loss on Issue of Debentures	Meaning of Debentures. Distinction between Shares and Debentures. Types of Debentures. Issue of Debentures- Par, Premium & Discount Pro Rata & Rejection. Issue of Debentures other than cash- Par, Premium & Discount. With & Without Journal Entries & effect in Balance Sheet. Accounting Treatment for different cases. Journal Entries. Sources to write off & Preparation of ledger accounts.

JUNE	FINANCIAL STATEMENT ANALYSIS	<p>11.1 Meaning of Analysis of Financial Statements</p> <p>11.2 Significance of Analysis of Financial Statements</p> <p>11.3 Objectives of Analysis of Financial Statements</p> <p>11.4 Tools of Analysis of Financial Statements</p> <p>11.5 Limitations of Financial Analysis</p>	<p>Meaning of Analysis of financial statements.</p> <p>Significance of Analysis of financial statements.</p> <p>Objectives of Analysis of financial statements.</p> <p>Comparative, Common Size, Ratio Analysis and Cash Flow Statement.</p> <p>Limitations of Financial Analysis</p>
JUNE	TOOLS OF FINANCIAL STATEMENT ANALYSIS- COMPARATIVE, COMMON SIZE STATEMENTS. ACCOUNTING RATIOS	<p>12.4 Tools of Analysis of Financial Statements</p> <p>12.5 Comparative Statements</p> <p>12.6 Common Size Statement</p> <p>13.1 Meaning of Accounting Ratios</p> <p>13.2 Objectives of Ratio Analysis</p> <p>13.3 Advantages of Ratio Analysis</p> <p>13.4 Limitations of Ratio Analysis</p> <p>13.5 Types of Ratios</p> <p>13.6 Liquidity Ratios</p> <p>13.7 Solvency Ratios</p> <p>13.8 Activity (or Turnover) Ratio</p> <p>13.9 Profitability Ratios</p>	<p>Preparation of comparative and common size statement,</p> <p>Accounting Ratios: Meaning, Objectives Advantages, Classification and computation-. Liquidity Ratios: , Solvency Ratios: Activity Ratios: Profitability Ratios:</p>
JULY	CASH FLOW STATEMENT	<p>14.1 Objectives of Cash Flow Statement</p> <p>14.2 Benefits of Cash Flow Statement</p> <p>14.3 Cash and Cash Equivalents</p> <p>14.4 Cash Flows</p> <p>14.5 Classification of Activities for the Preparation of Cash Flow Statement</p>	<p>Meaning, objectives Benefits of Cash Flow Statement</p> <p>Cash and Cash Equivalents,</p> <p>Classification of Activities and preparation (as per AS 3</p>

		14.6 Ascertaining Cash Flow from Operating Activities 14.7 Ascertainment of Cash Flow from Investing and Financing Activities 14.8 Preparation of Cash Flow Statement	(Revised)
PROJECT WORK			
UNIT TEST II - 25 MARKS			
AUGUST	ACCOUNTING FOR PARTNERSHIP FIRMS -BASIC CONCEPTS	1.1 Nature of Partnership 1.2 Partnership Deed 1.3 Special Aspects of Partnership Accounts 1.4 Maintenance of Capital Accounts of Partners 1.5 Distribution of Profit among Partners 1.6 Guarantee of Profit to a Partner 1.7 Past Adjustments	Meaning nature and definition Contents of Partnership Deed. Provisions of the Indian Partnership Act 1932 in the absence of partnership deed. Fixed v/s fluctuating capital accounts. Preparation of Profit and Loss Appropriation account-division of profit among partners Guarantee of profits to the partners and partner to the firm. Past adjustments (relating to interest on capital, interest on drawing, salary and profit sharing ratio).
AUGUST	GOODWILL: NATURE AND VALUATION	2.1 Nature of Goodwill 2.2 Factors affecting Goodwill 2.3 Types of Goodwill 2.4 Methods of valuation of Goodwill	Meaning and Nature Factors affecting goodwill Self-generated and Purchased Methods of valuation - average profit, super profit and capitalization.
AUGUST	RECONSTITUTION OF A PARTNERSHIP FIRM - ADMISSION OF PARTNERS	3.1 Modes of Reconstitution of a Partnership Firm 3.2 Admission of a New Partner 3.3 New Profit-Sharing Ratio	Cases of Reconstitution Effect of admission of a partner on change in the profit-sharing ratio

		<p>3.4 Sacrificing Ratio</p> <p>3.5 Goodwill</p> <p>3.6 Adjustment for Accumulated Profits and Losses</p> <p>3.7 Revaluation of Assets and Reassessment of Liabilities</p> <p>3.8 Adjustment of Capitals</p>	<p>Old Ratio - New Ratio</p> <p>Treatment of goodwill (as per AS 26)</p> <p>Treatment of reserves, accumulated profits and losses</p> <p>Treatment for revaluation of assets and re assessment of liabilities</p> <p>Adjustment of capital accounts and preparation of capital, current account and Balance Sheet.</p>
SEPTEMBER	RECONSTITUTION OF A PARTNERSHIP FIRM - CHANGE IN PROFIT SHARING RATIO AMONG THE EXISTING PARTNERS	<p>4.1 New Profit-Sharing Ratio</p> <p>4.2 Sacrificing Ratio/Gaining Ratio</p> <p>4.3 Goodwill</p> <p>4.4 Adjustment for Accumulated Profits and Losses</p> <p>4.5 Revaluation of Assets and Reassessment of Liabilities</p> <p>4.6 Adjustment of Capitals</p>	<p>Calculation of New Profit-sharing Ratio. Sacrificing ratio, gaining ratio- Calculation. Accounting Treatment of Goodwill.</p> <p>Treatment of reserves and accumulated profits.</p> <p>Accounting for revaluation of assets and reassessment of liabilities</p> <p>Preparation of revaluation account and Balance Sheet.</p>
SEPTEMBER	RECONSTITUTION OF A PARTNERSHIP FIRM - RETIREMENT OF PARTNER	<p>5.1 Ascertaining the Amount Due to Retiring Partner</p> <p>5.2 New Profit-Sharing Ratio</p> <p>5.3 Gaining Ratio</p> <p>5.4 Treatment of Goodwill</p> <p>5.5 Adjustment for Revaluation of Assets and Liabilities</p> <p>5.6 Adjustment of Accumulated Profits and Losses</p> <p>5.7 Disposal of Amount Due to Retiring Partner</p> <p>5.8 Adjustment of Partners' Capitals</p> <p>5.9 Retiring Partners Loan a/c</p>	<p>Effect of retirement of a partner on change in profit sharing ratio,</p> <p>Calculation New Ratio. New Ratio - Old Ratio</p> <p>Treatment of goodwill (as per AS 26), Treatment for revaluation of assets and reassessment of liabilities,</p> <p>Preparation of capital, current account and Balance Sheet.</p> <p>Adjustment of accumulated profits, losses and reserves, adjustment of capital accounts and Preparation of loan account of the retiring partner.</p>

SEPTEMBER	RECONSTITUTION OF A PARTNERSHIP FIRM - DEATH OF A PARTNER	6.1 Ascertaining the Amount Due to Deceased Partner 6.2 New Profit-Sharing Ratio 6.3 Gaining Ratio 6.4 Treatment of Goodwill 6.5 Adjustment for Revaluation of Assets and Liabilities 6.6 Adjustment of Accumulated Profits and Losses 6.7 Disposal of Amount Due to Deceased Partner 6.8 Executors' a/c	Calculation of amount to be transferred to Executor's A/c Calculation New Ratio. New Ratio - Old Ratio Treatment of goodwill (as per AS 26), Treatment for revaluation of assets and reassessment of liabilities, Preparation of capital, current account and Balance Sheet. Adjustment of accumulated profits, losses and reserves, adjustment of capital account Calculation of deceased partner's share of profit till the date of death. Preparation of deceased partner's capital account and his executor's account.
PREMODEL EXAMINATION - 80 MARKS			
OCTOBER	DISSOLUTION OF PARTNERSHIP FIRM	7.1 Dissolution of Partnership 7.2 Dissolution of a Firm 7.3 Settlement of Accounts 7.4 Accounting Treatment	Dissolution of partnership and partnership firm, Types of dissolution of a firm. Settlement of accounts - preparation of realization account, and other related accounts: capital accounts of partners and cash/bank a/c
NOVEMBER	FIRST MODEL EXAMINATION		
JANUARY	SECOND MODEL EXAMINATION		

BHARATIYA VIDYA BHAVAN, KOCHI KENDRA

YEAR PLAN FOR THE ACADEMIC YEAR 2026-27

CLASS XII - BUSINESS STUDIES (054)

MONTH	TOPIC	SUB-TOPICS	CONCEPTS
MARCH	Nature and Significance of Management	Introduction	Management - concept, objectives, and importance
		Nature of Management	Management as Science, Art and Profession
		Levels of Management	Levels of Management
		Functions of Management	Management functions-planning, organizing, staffing, directing and controlling
		Co-ordination -The Essence of Management	Coordination- concept and importance
MARCH- APRIL	Principles of Management	Principles of Management - The Concept	Principles of Management-concept and significance
		Principles of Management	Fayol's principles of management
		Taylor's Scientific Management	Taylor's Scientific management - principles and techniques
UNIT TEST I (25 MARKS) 8 JUNE -15 JUNE			
JUNE	Business Environment	Introduction	Meaning and importance of Business environment
		Dimensions of Business Environment	Dimensions of Business Environment - Economic, Social, Technological, Political and Legal
		Demonetisation	Demonetization - concept and features
JUNE	Marketing	Introduction	Marketing – Concept, functions and philosophies
		Marketing Mix	Marketing Mix – Concept and elements
		Product	Product – branding, labelling and packaging – Concept
		Pricing	Price - Concept, Factors determining price
		Physical Distribution	Physical Distribution – concept, components and channels of distribution
		Promotion	Promotion – Concept and elements; Advertising, Personal Selling, Sales Promotion and Public Relations
JUNE/JUL Y	Financial Management	Introduction	Financial Management: Concept, role and objectives
		Financial Decisions	Financial decisions: investment, financing and dividend - Meaning and factors affecting
		Financial Planning	Financial Planning - concept and importance
UNIT TEST II (25 MARKS) 27 JULY - 3 AUGUST			

JULY	Financial Management (contd.)	Capital Structure	Capital Structure – concept and factors affecting capital structure
		Fixed and Working Capital	Fixed and Working Capital - Concept and factors affecting their requirements
JULY	Financial Market	Introduction	Financial Markets: Concept
		Money Market	Money Market: Concept
		Capital Market	Capital market and its types (primary and secondary)
		Stock Exchange	Stock Exchange - Functions and trading procedure
		Securities and Exchange Board of India(SEBI)	Securities and Exchange Board of India (SEBI) - objectives and functions
AUGUST	Consumer Protection	Introduction	Consumer Protection: Concept and importance
		The Consumer Protection Act,2019	The Consumer Protection Act, 2019
		Who is a Consumer?	Meaning of consumer
		Rights and Responsibilities of a Consumer	Rights and responsibilities of consumers
		Who can file a complaint?	Who can file a complaint?
		Redressal Agencies uner Consumer Protection Act	Redressal machinery
		Reliefs Available	Remedies available
		Role of Consumer Organisations and NGOS	Consumer Awareness- Role of Consumer Organisations and Non-Governmental Organisations(NGOs)
AUGUST	Planning	Introduction	Planning: Concept, importance and limitation
		Planning Process	Planning process
		Types of Plans	Single use and Standing Plans. Objectives, Strategy, Policy, Procedure, Method, Rule, Budget and Programme
SEPTEMBER	Organizing	Introduction	Organising: Concept and importance
		Steps in the process of Organising	Organising Process
		Organisation Structure	Structure of organisation- functional and divisional concept. Formal and informal organization - concept
		Delegation	Delegation: concept, elements and importance
		Decentralisation	Decentralization: concept and importance

SEPTEMBER	Staffing	Introduction	Concept and importance of staffing
		Staffing as a Part of Human Resource Management	Staffing as a part of Human Resource Management concept
		Staffing Process	Staffing process
		Recruitment	Recruitment process
		Selection	Selection – process
		Training and Development	Training and Development - Concept and importance, Methods of training - on the job and off the job - vestibule training, apprenticeship training and internship training
PRE MODEL EXAMINATION 28 SEPTEMBER - 9 OCTOBER			
OCTOBER	Directing	Introduction	Directing: Concept and importance
		Elements of Direction	Elements of Directing
		Motivation	Motivation - concept, Maslow's hierarchy of needs, Financial and non-financial incentives
		Communication	Communication - concept, formal and informal communication; barriers to effective communication, How to overcome the barriers?
OCTOBER	Controlling	Controlling	Controlling - Concept and importance
		Relationship between Planning and Controlling	Relationship between planning and controlling
		Controlling Process	Steps in process of control
MODEL EXAMINATION (80 MARKS) 23 NOVEMBER (TENTATIVE)			

BHARATIYA VIDYA BHAVAN, KOCHI KENDRA
INFORMATICS PRACTICES(065)
YEAR PLAN FOR THE ACADEMIC YEAR 2026-2027

CLASS: XII

MONTH	TOPIC	SUB-TOPICS	CONCEPTS
MARCH/APRIL	Unit 1: Data Handling using Pandas –I	Introduction to Python libraries- Pandas, Matplotlib Data structures in Pandas - Series and Data Frames Series: Creation of Series from – ndarray, dictionary, scalar value , Mathematical operations on series – addition, subtraction, multiplication, division ,Head and Tail functions Selection, Indexing and Slicing Attributes of Series – name, index.name, values, size, emptyDataFrames: creation - from dictionary of Series, list of dictionaries, displaying dataframe Attributes of DataFrames – index, columns, dtypes, values, shape, size, T, ndim, head(), tail()	Data analysis using Python libraries,Concepts of data structures,Series creation and its operations. Creation of 2D data sructure: Dataframe and its attributes
JUNE	Unit 1: Data Handling using Pandas –I	Dataframe Creation using Text/CSV files, display; iteration; Operations on rows and columns: add, select, delete, rename; Head and Tail functions; Indexing using Labels, Boolean Indexing; Importing/Exporting Data between CSV files and Data Frames.	DataFrame creation (Revision) Operations and methods dataframes. Dataframes indexing , concept of importing and exporting data using csv

UNIT TEST I -08/06/2026 TO 16/06/2026

Portions:- Introduction to Python libraries- Pandas,Data structures in Pandas - Series and Data Frame Creation - from dictionary of Series, list of dictionaries

MARKING SCHEME:

OBJECTIVE TYPE QUESTIONS :- [MCQs - 5 marks(20%)]

COMPETENCY BASED QUESTIONS:- MCQ - 2 Marks, Assertion Reasoning - 1 Mark (4%), Find the output, Find the errors and operations based on Series - 10 Marks (40%),Series and Data Frame creation - 5 Marks (20%)

CONSTRUCTED RESPONSE QUESTIONS [Short answer questions - 2 Marks (8%)]

JULY	Unit 1: Data Visualization, I Unit 3: Introduction to Computer Networks	<p>Data Visualization: Purpose of plotting; drawing and saving following types of plots using Matplotlib –line plot, bar graph, histogram Customizing plots: adding label, title, and legend in plots.</p> <p>Introduction to networks, Types of network: PAN, LAN, MAN, WAN. Network Devices: modem, hub, switch, repeater, router, gateway Network Topologies: Star, Bus, Tree, Mesh. Introduction to Internet, URL, WWW, and its applications- Web, email, Chat, VoIP. Website: Introduction, difference between a website and webpage, static vs dynamic web page, web server and hosting of a website. Web Browsers: Introduction, commonly used browsers, browser settings, add-ons and plug-ins, cookies.</p>	<p>Visualizing data using matplotlib library,</p> <p>Network and types of Network, Network Devices, Network Topology, Internet and web fundamentals</p>
<p>UNIT TEST II: 27/07/2026 TO 03/08/2026</p> <p>PORTIONS :Data Frames: creation -(All methods given in the curriculum) display; iteration; Operations ,Indexing Importing/Exporting Data between CSV files and Data Frames.</p> <p>MARKING SCHEME:</p> <p>OBJECTIVE TYPE QUESTIONS [MCQs - 5 marks(20%)]</p> <p>COMPETENCY BASED QUESTIONS</p> <p>Assertion Reasoning - 1 Mark (4%)</p> <p>Find the output, Find the errors and operations based on DataFrame -9 Marks (36%)</p> <p>Dataframe Creation and CSV - 4 Marks (16%)</p> <p>CONSTRUCTED RESPONSE QUESTIONS [Short answer questions - 6 marks (24%)]</p>			
AUGUST	Unit 2: Database Query using SQL	<p>Database Query using SQL</p> <p>Revision of database concepts and SQL commands covered in class XI</p> <p>Math functions: POWER (), ROUND (), MOD ().</p> <p>Date Functions: NOW (), DATE (), MONTH (), MONTHNAME (), YEAR (), DAY (), DAYNAME ().</p>	<p>Database Query using SQL</p> <p>Revision of database concepts, SQL single row functions- Math and Date functions</p>
	Unit 2: Database Query using SQL	<p>Text functions: UCASE ()/ UPPER (), LCASE ()/ LOWER (), MID ()/ SUBSTRING ()/SUBSTR (), LENGTH (), LEFT (), RIGHT (), INSTR (), LTRIM (), RTRIM (), TRIM</p> <p>Aggregate Functions: MAX (), MIN (), AVG (), SUM (), COUNT (); using COUNT (*).</p> <p>Querying and manipulating data using Group by, Having, Order by.</p> <p>Working with two tables using equi-join.</p>	<p>SQL single row functions- Text functions</p> <p>Aggregate Functions, Group by Clause, Having clause, Order by clause, SQL join</p>

SEPTEMBER	<p style="text-align: center;">PRE MODEL EXAMINATION 28/09/2026 TO 09/10/2026 (PORTIONS : All portions except Societal Impacts)</p> <p>MARKING SCHEME :Unit I Data Handling using Pandas and Data Visualization - 30 Marks, Unit 2: Database Query using SQL-28 Marks,Unit 3: Introduction to Computer Networks -12 Marks</p> <p style="text-align: center;">SELECT RESPONSE TYPE QUESTIONS [MCQs - 14 marks (20%)]</p> <p style="text-align: center;">COMPETENCY BASED QUESTIONS</p> <p style="text-align: center;">Assertion Reasoning - 2 Mark (3 %)</p> <p style="text-align: center;">Very Short Answer type questions carrying 01 mark or 02 marks each(case based source-based integrated ,MCQ ,any other type) - 17 marks (24 %)</p> <p style="text-align: center;">Short Answer type questions carrying 03 marks - 9 Marks (13%)</p> <p style="text-align: center;">Short Answer type questions carrying 04 marks - 8 Marks (12%)</p> <p style="text-align: center;">CONSTRUCTED RESPONSE QUESTIONS</p> <p style="text-align: center;">Questions carrying 5 marks each (constructed response type) -10 Marks (14%)</p> <p style="text-align: center;">Questions carrying 2 marks each (constructed response type) -10 Marks (14%)</p>		
OCTOBER	<p>Unit 4: Societal Impacts</p>	<p>Societal Impacts Digital footprint, net and communication etiquettes, data protection, intellectual property rights (IPR), plagiarism, licensing and copyright, free and open source software (FOSS), cybercrime and cyber laws, hacking, phishing, cyber bullying, overview of Indian IT Act. E-waste: hazards and management. Awareness about health concerns related to the usage of technology</p>	<p>Societal Impacts- cybercrime and cyber laws, E-waste: hazards and management.</p>
NOVEMBER	<p>FIRST MODEL EXAMINATION FULL PORTIONS</p>		
JANUARY	<p>SECOND MODEL EXAMINATION 04/01/2027-22/01/2027 FULL PORTIONS</p>		

**BHARATIYA VIDYA BHAVAN, KOCHI
YEAR PLAN FOR THE YEAR 2025-2026**

**CLASS XII
LEGAL STUDIES**

MONTH	TOPIC	SUBTOPIC	CONCEPT
MARCH	Judiciary	Structure, hierarchy of courts, and legal officers in India, tribunals. Supreme Court of India Salient Features of Indian Judiciary Legal officers in India Constitution, roles and impartiality	Judicial System Independence of Judiciary Jurisdictions Public Interest Litigations Amicus Curiae
APRIL	Alternative Dispute Resolution in India (ADR)	Adversarial and Inquisitorial Systems Meaning and scope of ADR Arbitration Mediation Conciliation Lok Adalat Ombudsman Lokpal and Lokayukta	Lokpal Lokayukta Conciliation Adversarial and Inquisitorial systems.
JUNE	Topics in Law (Business Laws)	Contracts Concept of law of Torts Defamation Types of Transfer- Sale, Lease, Exchange, Gift Meaning of Intellectual Property	Transfer Negligence Consent Law of Torts Consideration Contracts
UNIT TEST 1 08.06.2026 – 16.06.2026			

JULY	Topics in Law II (General Laws)	Environment Protection Act, 1986 Pollution Control Boards Law and Sustainable Development Criminal Laws in India	Admission and Confession Criminal law Liability Partnership
		Sole Proprietorship Partnership Limited Liability Partnership Private Limited company	Sustainable Development Proprietorship
UNIT TEST II 27.07.2026 – 03.08.2026			
AUGUST	Concept of Human Rights	Indian Constitutional framework on Human Rights and related Laws in India Fundamental Rights-Part III of the Constitution Directive Principles-Part IV- Articles 36-51	Fundamental Rights Fundamental Duties Directive Principles
SEPTEMBER	International Law	Sources of International Law International Human Rights International Law & Municipal Law International Law & India Dispute Resolution	International Law Human Rights Municipal Law Dispute Resolution
PRE MODEL EXAMINATION 28.09.2026 – 09.10.2026			

<p>OCTOBER</p>	<p>Legal Profession in India</p> <p>Legal Services</p>	<p>Legal Education in India, USA and UK</p> <p>Opportunities for Law Graduates</p> <p>Lawyers and Professional Ethics</p> <p>Free Legal Aid under Criminal law, Legal Services Authority Act,1987</p> <p>Brief history of Legal services</p> <p>Free Legal Aid under Criminal law, Legal aid by the State</p> <p>Legal Aid under the Indian Constitution</p> <p>National Legal Services Authority (NALSA)</p>	<p>Advocate Act</p> <p>Professional Ethics</p> <p>Legal Profession</p> <p>Legal aid</p> <p>NALSA</p> <p>social justice</p> <p>Legal services</p> <p>Criminal law</p> <p>Legal aid</p> <p>Legal Services Authority Act,1987</p>
<p align="center">FIRST MODEL EXAMINATION</p> <p align="center">SECOND MODEL EXAMINATION 04.01.2027 – 22.01.2027</p>			