

**Learning Outcomes based Curriculum Framework
(LOCF)**

For

**B. A. (Economics and Finance)
(Four Year Degree Programme)
w.e.f. Session 2021-22**



**University School for Graduate Studies
Chaudhary Devi Lal University
Sirsa-125055, Haryana
2021**

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1. About University School for Graduate Studies (USGS)

National Education Policy (NEP) -2020 has provided an impetus to the changing horizons of Higher Education. Chaudhary Devi Lal University Sirsa has recently established University School for Graduate Studies (USGS) in Teaching Block-IV (Dr. APJ Abdul Kalam Bhawan) of the university in order to start new programmes and courses for tuning ourselves to the latest state-of-the-art in Higher Education. The University School for Graduate Studies (USGS) will focus on strengthening graduate studies especially in the wake of NEP-2020 and will focus on designing, developing and execution of market/industry demand-oriented Four Year Degree Programmes (FYDP). To benefit students, society and faculty, the USGS is destined to start graduate programmes based on Learning Outcomes Curriculum Framework and as per NEP-2020 such as: (i) B.Com. Banking & Insurance, (ii) B.Com. Fintech & Financial Markets, (iii) B.Com. Derivatives & Risk Management, (iv) B.Sc. Data Science, (v) B.Sc. Mathematics, (vi) B.Sc. Physics, (vii) B.A. Economics & Finance. In addition, there is a 1-year programme namely (viii) Bachelor of Library & Information Science. The holistic development of the students to compete the changing scenario of the world in the 21st century is of prime importance. The University School for Graduate Studies is committed to impart quality education comprising academic knowledge and technical skills to the students.

2. Learning Outcomes based Curriculum Framework

The Choice Based Credit Scheme (CBCS) evolved into learning outcome-based curriculum framework and provides an opportunity for the students to choose courses from the prescribed courses comprising core, elective/minor or skill-based courses. The courses can be evaluated following the grading system, which is considered to be better than the conventional marks system. Grading system provides uniformity in the evaluation and computation of the Cumulative Grade Point Average (CGPA) based on student's performance in examinations which enables the student to move across institutions of higher learning. The uniformity in evaluation system also enables the potential employers in assessing the performance of the candidates.

2.1 Objectives of the Programme

The program intends to impart knowledge with respect to economic theory, practice, planning and implementation. Besides developing critical thinking, strengthening the spirit of scientific enquiry, the program aims at providing interdisciplinary knowledge and skill enhancement courses to increase the employability of students. Additional courses on ability enhancement and generic elective courses have been introduced to build skills, so that the students learn to work as part of a multidisciplinary approach, setting directions and formulating inspiring vision.

2.2 Programme Outcomes (POs)

After completing the programme, the students have:

PO1	Knowledge	Demonstrate knowledge of historical emergence, questions asked, and distinctive contributions of the social science disciplines to the analysis of human behaviour and social issues.
PO2	Problem Solving	Visualize, conceptualize, articulate, and solve complex problems through experimentation and observation using theoretical framework of social science disciplines.
PO3	Critical Thinking	Critically analyze everyday problems faced by the society, evaluate specific policy proposals, compare arguments with different conclusions to a specific societal issue, and assess the role played by assumptions in such arguments.
PO4	Scientific Enquiry	Develop the capability of defining problems and strengthening arguments through analysis and synthesis.
PO5	Specialization and Employability	Develop deeper understanding, creativity, and originality in chosen specialized areas of social science disciplines leading to employability.
PO6	Interdisciplinary Knowledge & Adaptation	Enhance the ability to integrate as well as synthesize the acquired knowledge within the social sciences and beyond.
PO7	Self Directed Learning	Develop the ability to work independently as well as effectively in the changing environment.
PO8	Ethics and Leadership	Articulate and apply ethics, values and ideals that demonstrate awareness of current societal challenges. Build skills to work as part of a team and lead others, setting directions and formulating inspiring vision.

2.3 Programme Specific Outcomes (PSOs)

After completing the programme, the students:

PSO1	Develop the powers of inquiry, critical analysis, logical thinking, and ability to apply theoretical knowledge to current issues of policy and practice in economics.
PSO2	Learn and apply alternative tools to address various economic policy issues related to various branches of Economics.
PSO3	Develop and demonstrate fundamental in-depth knowledge and understanding of the theories, postulates, methods, principles, concepts, values, substantive rules of core as well as applied areas of Economics.
PSO4	Identify, coherently explain and synthesize core and advanced economic concepts including economic models.

3. Programme Structure

B.A. Economics and Finance- Four year (Eight semesters) graduate programme is of 200 credits weightage consisting of Core Courses (CC), Discipline Specific Elective Courses (DSC), Skill Enhancement Courses (SEC), Generic Elective Courses (GEC) and Ability Enhancement Compulsory Courses (AECC).

**Table 1
Courses and Credit Scheme**

Semester	Core Courses (CC)		Discipline Specific Elective Courses (DSC)		Skill Enhancement Courses (SEC)		Ability Enhancement Compulsory Courses (AECC)		Generic Elective Courses (GEC)		Grand Total Credits
	1	2	3	4	5	6	7	8	9	10	(2+4+6+8+10)
	No. of Courses	Total Credits	No. of Courses	Total Credits	No. of Courses	Total Credits	No. of Courses	Total Credits	No. of Courses	Total Credits	
I	2	12	-	-	1	2	1	4	1	6	24
II	2	12	-	-	-	-	2	8	1	6	26
III	3	18	-	-	1	4	-	-	1	6	28
IV	3	18	-	-	1	4	-	-	1	6	28
V	2	12	2	12	-	-	-	-	-	-	24
VI	2	12	2	12	-	-	-	-	-	-	24
Total	CC	84	DSC	24	SEC	10	AECC	12	GEC	24	154
Percentage (%)	CC credits	54.54	DSC Credits	15.58	SEC Credits	6.49	AECC Credits	7.79	GEC Credits	15.58	100
VII	2	12	2	12	-	-	-	-	-	-	24
VIII	1	22	-	-	-	-	-	-	-	-	22
Total	CC credits	118	DSC Credits	36	SEC Credits	10	AECC Credits	12	GEC Credits	24	200
Percentage (%)	CC credits	59	DSC Credits	18	SEC Credits	5	AECC Credits	6	GEC Credits	12	100

Table 2
Detailed break-up of Credit Courses

Semester	Core Courses (CC)	Discipline Specific Elective Courses (DSC)	Skill Enhancement Courses (SEC)	Ability Enhancement Compulsory Courses (AECC)	Generic Elective Courses (GEC)	Total Courses (CC+DSC+SEC+AECC+GEC)
I	CC1 CC2	-	SEC1	AECC1	GEC1	05
II	CC3 CC4	-	-	AECC2 AECC3	GEC2	05
III	CC5 CC6 CC7	-	SEC2	-	GEC3	05
IV	CC8 CC9 CC10	-	SEC3	-	GEC4	05
V	CC11 CC12	DSC1 DSC2	-	-	-	04
VI	CC13 CC14	DSC3 DSC4	-	-	-	04
VII	CC15 CC16	DSC5 DSC6	-	-	-	04
VIII	CC17 Research (Dissertation/ Project/etc.)	-	-	-	-	01

Table 3: Course code and Title along with credits details

Sr. No.	Course Code	Course Title	Credits		
			Theory+ Tutorial	Practical	Total
Semester I					
1.	BA/ECO&FIN/1/CC1	Microeconomics – I	5+1	0	6
2.	BA/ECO&FIN/1/CC2	Macroeconomics – I	5+1	0	6
3.	...../1/GEC1	To be opted by student from Pool of Generic Elective Courses	5+1	0	6
4.	HIN/1/AECC1	Prayojanmoolak Hindi	4	0	4
5.	COMP/1/SEC1	Computer Skills	0	2	2
				Total	24
Semester II					
1.	BA/ECO&FIN/2/CC3	Microeconomics – II	5+1	0	6
2.	BA/ECO&FIN/2/CC4	Macroeconomics – II	5+1	0	6
3.	...../2/GEC2	To be opted by student from Pool of Generic Elective Courses	5+1	0	6
4.	ENG/2/AECC2	Functional English	4	0	4
5.	EVS/2/AECC3	Environmental Studies	4	0	4
				Total	26
Semester III					
1.	BA/ECO&FIN/3/CC5		5+1	0	6
2.	BA/ECO&FIN/3/CC6		5+1	0	6
3.	BA/ECO&FIN/3/CC7		4	2	6
4.	BA/ECO&FIN/3/SEC2		4	0	4
5.	...../3/GEC3		5+1	0	6
				Total	28
Semester IV					
1.	BA/ECO&FIN/4/CC8		5+1	0	6
2.	BA/ECO&FIN/4/CC9		5+1	0	6
3.	BA/ECO&FIN/4/CC10		5+1	0	6
4.	BA/ECO&FIN/4/SEC3		4	0	4
5.	...../4/GEC4		5+1	0	6
				Total	28
Semester V					
1.	BA/ECO&FIN/5/CC11		5+1	0	6
2.	BA/ECO&FIN/5/CC12		5+1	0	6
3.	BA/ECO&FIN/5/DSC1		0	6	6
4.	BA/ECO&FIN/5/DSC2		5+1	0	6
				Total	24
Semester VI					
1.	BA/ECO&FIN/6/CC13		5+1	0	6
2.	BA/ECO&FIN/6/CC14		5+1	0	6
3.	BA/ECO&FIN/6/DSC3		5+1	0	6

4.	BA/ECO&FIN/6/DSC4		5+1	0	6
				Total	24
Semester VII					
1.	BA/ECO&FIN/7/CC15		5+1	0	6
2.	BA/ECO&FIN/7/CC16		5+1	0	6
3.	BA/ECO&FIN/6/DSC5		5+1	0	6
4.	BA/ECO&FIN/7/DSC6		4	2	6
				Total	24
Semester VIII					
1.	BA/ECO&FIN/8/CC17				22
				Grand Total (I+II+III+IV+V+VI+VII+VIII)	200

Table 4: Generic Elective Courses offered by Department of Economics for Students of other Departments		
BA/ECO&FIN/1/ GEC-1	Microeconomics	6
BA/ECO&FIN/2/ GEC-2	Macroeconomics	6
BA/ECO&FIN/3/ GEC-3	Indian Economy	6
BA/ECO&FIN/4/ GEC-4	Growth and Development	6

Course Title: Micro Economics-I Course Code: BA/ECO&FIN/1/CC1		Total Credits: 6 Time: 3 Hrs. Marks: 100 External : 70 Internal : 30
Note for the Paper Setter The question paper will consist of nine questions in all. The first question will be compulsory and will consist of five short questions of 2 marks each covering the whole syllabus. In addition, eight more questions will be set unit-wise comprising of two questions from each of the four units. The candidates are required to attempt four more questions of 15 marks each selecting at least one question from each unit.		
Course Outcomes		
CO1	Know the scope and breadth of Micro Economics along with understanding of these concepts to comprehend real world problems along with the ability to think critically and analyze economic problems.	
CO2	It will make students aware about the various concept of utility.	
CO3	The core principles of demand and supply so that they are able to apply the able to apply the understanding of these concepts to comprehend real world problems.	
CO4	Understanding the core principles of production, cost and revenue so that they are able to apply the understanding of these concepts to comprehend real world problems along with the ability to think critically and analyze economic problems.	
Unit-I Nature and scope of Economics; Positive and Normative Economics; Basic problems of an Economy; Basic tools of Theoretical Analysis (Micro and Macro, Deductive and Inductive, static and dynamic, Stock and Flow)		
Unit-II Theories of Consumer Behaviour: Cardinal utility Theory, Marginal and total utility, Consumer equilibrium, Derivation of demand curves Ordinal utility Theory: Indifference curve analysis, Characteristics, Budget line, Marginal rate of substitution, Consumer's equilibrium, Price, income and substitution effects, Derivation of Demand curve.		
Unit-III Demand Function-Law of demand, changes in demand, and elasticity of demand. Supply Function-Law of Supply, changes in supply, elasticity of supply. Market demand curve; consequences of Bandwagon, Snob and Veblen effect.		
Unit-IV Production Function: TP, AP and MP; Returns to a Factor and Returns to Scale; isoquant and their uses, least cost combination. Cost: Meaning, Types; Traditional and Modern Theories of Costs; Derivation of Cost function from Production function; Revenue; Total, Marginal and Average Revenue.		
Reading List Archibald, G. C. (Ed.) (1971) <i>Theory of the Firm</i> . Penguin, Harmondsworth. Baumol, W. J. (1982) <i>Economic Theory and Operations Analysis</i> . Prentice Hall of India, New Delhi.		

Da Costa, G. C. (1980) *Production, Prices and Distribution*. Tata McGraw Hill, New Delhi.
 Koutsoyiannis, A. (1979) *Modern Microeconomics (2nd Edition)*, Macmillan Press, London.
 Salvatore, D. (2009) *Microeconomics-Theory and Applications*. Oxford University Press.
 Varian, H. (2003) *Intermediate Microeconomics*, East-West Press.

Course Title: Macro Economics-I Course Code: BA/ECO&FIN/1/CC2		Total Credits: 6 Time: 3 Hrs. Marks: 100 External : 70 Internal : 30
Note for the Paper Setter The question paper will consist of nine questions in all. The first question will be compulsory and will consist of five short questions of 2 marks each covering the whole syllabus. In addition, eight more questions will be set unit-wise comprising of two questions from each of the four units. The candidates are required to attempt four more questions of 15 marks each selecting at least one question from each unit.		
Course Outcomes		
CO1	The student shall understand the meaning and basic concepts of Macro Economics.	
CO2	To Understand the concept and measurement of national income.	
CO3	To Understand the concept of circular flow of national income and basics of classical theory of income and employment determination	
CO4	To understand the classical theory of determination of income and employment.	
Unit-I		
Macro Economics: Meaning, characteristic and scope of Macro Economics, Differences between Micro and Macro Economics, Basic Concepts: Real and nominal; Induced and autonomous; stock and flow; Static, comparative Static and dynamic analysis; intermediate and final goods.		
Unit-II		
Concepts of National Income: GDP, GNP, NDP and NNP at Market Price and factor cost. Measurement of National Income; Income, Expenditure, product and value-added method and their precautions and limitations.		
Unit-III		
Circular flow of National Income: Real and monetary flow of income, circular flow of income in two, three and Four sector economy. National income and welfare. Determination of Income and Employment: Classical View, Labour Market; Product Market and Money Market.		

Unit-IV

Determination of Income and Employment: Full Employment and Various Types of Unemployment; Say's Law of Market; Classical Theory of Employment with and without saving & investment; Keynes' objection to the Classical Theory.

Consumption function and Keynes' Effective Demand: Meaning characteristics of APC and MPC; Keynes' Psychological law of consumption and its implications /significance. Factors affecting consumption function.

Suggested Readings:

Langdana, F.K. (2013) *Macroeconomic Policy: Demystifying Monetary and Fiscal Policy*. Springer.

Romer, David (2012) *Advanced Macroeconomics*. McGraw Hill Education.

Shapiro, E. (2006) *Macroeconomic Analysis*. Galgotia Publication, New Delhi.

Levacic, Rosalind & Rebmann, Alexander (2015). *Macroeconomics*. Macmillan, London.

Mankiw, Gregory N. (2014) *Principles of Macroeconomics*. Cengage Learning.

Mishkin, F.S. (2016) *The Economics of Money Banking and Financial Markets*. Pearson.

HIN/1/AECC1 - प्रयोजनमूलक हिन्दी

क्रेडिट: 4
व्याख्यान: 60
परिक्षा अवधि: 3 घंटे

अधिकतम अंक: 100
अंतिम परिक्षा अंक: 70
आंतरिक मूल्यांकन: 30

नोट: प्रश्न पत्र में कुल 9 प्रश्न हैं प्रथम प्रश्न अनिवार्य है, जिसमें समस्त पाठ्यक्रम से 2 अंक वाले 5 सक्षिप्त प्रश्न हैं प्रश्न पत्र में 4 ईकाई है, जिसमें प्रत्येक ईकाई में 15 अंको वाले 2 प्रश्न हैं विद्यार्थी को प्रत्येक ईकाई में से 1 प्रश्न करना अनिवार्य है

ईकाई-I

पत्र-लेखन-सहकारी पत्र, परिपत्र, कार्यालय आदेश, शिकायत पत्र, आवेदन पत्र, मूलपत्र, पत्रोत्तर, पावती, अनुस्मारक, सरकारी पत्र, ईमेल-लेखन, शासकीय आदेश, अधिसूचना, पृष्ठांकन, प्रेस विज्ञप्ति, संक्षेपण लेखन- अर्थ परिभाषा प्रक्रिया, नियम (लेखन विधि)

ईकाई-II

अभिनव काव्य गरिमा (काव्य पुस्तक) संप्रसंग व्याख्या व प्रश्नोत्तर

ईकाई-III

कम्प्यूटर- परिभाषा स्वरूप, महत्व

पारिभाषिक शब्दावली - बैंकिंग , वाणिज्य, मंत्रालय, उपक्रमो, निगमों, ओद्योगिक क्षेत्रों व मीडिया क्षेत्र

अनुवाद लेखन - अर्थ परिभाषा, स्वरूप, महत्व, प्रक्रिया, प्रकार

टिप्पण लेखन - अर्थ परिभाषा, नियम, लेखन विधि, उदाहरण

ईकाई-IV

प्रयोजनमूलक हिन्दी - अर्थ, संरचनात्मक स्वरूप महत्व, हिन्दी भाषा की प्रयोजनीयता

प्रयोजनमूलक हिन्दी के विविध रूप

शब्द कोश का अर्थ, परिभाषा, उद्देश्य प्रकार क्षेत्र व उपयोगिता

सन्दर्भ पुस्तकें :

- 1 प्रयोजनमूलक हिन्दी: डॉ नरेशा मिश्रा (2017) राजपाल एण्ड सन्ज, कश्मीरी गेट, दिल्ली
- 2 हिंदी साहित्य का इतिहास: डॉ रामसजन पाण्डेय (2012) संजय प्रकाशन, दिल्ली
- 3 अभिनव काव्य गरिमा: डॉ नरेशा मिश्रा (2012) राजकमल प्रकाशन, दिल्ली
- 4 प्रयोजनमूलक हिन्दी: सिद्धांत और प्रयोग दंगल झाल्टे, वाणी प्रकाशन, दिल्ली
- 5 राजभाषा हिंदी: विवेचना और प्रयुक्ति: डा किशोर वासवानी, वाणी प्रकाशन, दिल्ली
- 6 राजभाषा हिंदी और उसका विकास: हीरालाल बाछोटिया, किताब घर प्रकाशन, दिल्ली
- 7 अनुवाद विज्ञान: सिद्धांत एवं प्रविधि, भोलानाथ तिवारी, किताब घर प्रकाशन, दिल्ली

Course Title: Computer Skills COMP/1/SEC1		Credits: 2 (Practical) Max. Marks: 50 Final Term Exam: 50 Duration of Exam: 3 Hrs.
Note for the Paper Setter The question paper will consist of five questions in all. The first question will be compulsory and will consist of five short questions of 2 marks each covering the whole syllabus. In addition, four more questions will be set unit-wise comprising of two questions from each of the two units. The candidates are required to attempt two more questions selecting at least one question from each unit.		
Objective: The course aims to provide practical computer knowledge and skills to students and to enhance the usefulness of information technology tools in various activities.		
Course Outcomes		
CO1	Know about Operating System, Overview of various Computer & Mobile Operating systems and Applications.	
CO2	Perform various features of Word processing such that Table, Mail merge, Hyperlink, etc.	
CO3	Prepare a business presentation on MS PowerPoint.	
CO4	Perform various mathematical, logical, and other functions on a large set of data using MS Excel.	
Unit-I		
Windows: Installation of Windows, Windows Desktop, My computer, My documents, Network neighbourhood, Recycle Bin, Quick launch tool bar, System tray, Start menu, Task bar - System Tray - Quick launch tool bar - Start button - Parts of Windows, Keyboard Accelerators: Key board short keys or hotkeys, Working with Notepad & WordPad, Creating & Editing Images with Microsoft paint, using the Calculator, Personalising Windows.		
MS-Word: Working with Documents, Formatting page & setting Margins, Converting files to different formats, Importing & Exporting documents, Formatting Documents - Setting Font styles, Font selection- style, Setting Paragraph style, Alignments, Indents, Line Space, Margins, Bullets& Numbering. Setting Page style - Formatting Page, Page tab, Margins, Layout settings, Border & Shading, Columns, Header & footer, Setting Footnotes & end notes, page break, Setting Document styles, Table of Contents, Index, Page Numbering, date & Time, Creating Tables- Table settings, Borders, Alignments, Insertion, deletion, Merging, Splitting, Sorting, Drawing - Inserting Clip Arts, Pictures/Files, Tools –Spell Checks, Mail merge, Templates, Printing Documents		
Unit-II		
MS-Excel: Spread Sheet & its Applications, Opening Spreadsheet, Menus , Working with Spreadsheets- opening, Saving files, setting Margins, Spread sheet addressing - Rows, Columns & Cells, Referring Cells & Selecting Cells – Shortcut Keys. Entering & Deleting Data, Inserting Data, Insert Cells, Column, rows & sheets, Inserting Functions, Formula - finding total in a column or row, Mathematical operations (Addition, Subtraction, Multiplication, Division, Exponentiation), Formatting Spreadsheets- Labelling columns & rows, Formatting- Cell, row, column & Sheet, Category - Alignment, Font, Border & Shading, Hiding/ Locking Cells, Working with sheets – Sorting, Filtering, Creating Charts ,		

Tools – Error checking, Spell Checks.

MS-Power-Point: Introduction to presentation – Opening new presentation, Different presentation templates, setting backgrounds, selecting presentation layouts. Creating a presentation-Setting Presentation style, Adding text to the Presentation. Formatting a Presentation-Adding style, Colour, Arranging objects, Adding Header & Footer, Slide Background, Slide layout. Adding Graphics to the Presentation- Inserting pictures, tables into presentation, Adding Effects to the Presentation- Setting Animation & transition effect. Practical Exercises:

Suggested Readings:

- Bharihoka, D. (2012). Fundamentals of Information Technology. New Delhi: Excel Book.
- Boockholdt, J. L. (1999). Accounting Information System: Transaction Processing and Control. Boston: Irwin McGraw Hill.
- Gelinas, U. J., & Steve, G. S. (2002). Sutton, Accounting Information System. Mason: South Western Thomson Learning.
- Hall, J. A. (2006). Accounting Information System. Nashville: South Western College Publishing. Rajaraman, V. (2018). Introduction to Information Technology. New Delhi: PHI Learning Pvt. Ltd.

Note: Open-Source Software or MS Excel, MS Access, and Tally may be used at appropriate places.

Semester-II

<p>Course Title: Micro Economics-II Course Code: BA/ECO&FIN/2/CC3</p>	<p>Total Credits: 6 Time: 3 Hrs. Marks: 100 External : 70 Internal : 30</p>
<p>Note for the Paper Setter The question paper will consist of nine questions in all. The first question will be compulsory and will consist of five short questions of 2 marks each covering the whole syllabus. In addition, eight more questions will be set unit-wise comprising of two questions from each of the four units. The candidates are required to attempt four more questions of 15 marks each selecting at least one question from each unit.</p>	
<p>Course Outcomes</p>	
CO1	Analyze given situations in a perfect markets on a microeconomic level. Understand the internal structure and assumptions of the different analytical frameworks of market conditions.
CO2	Analyze given situations in a monopoly markets on a microeconomic level. Understand the internal structure and assumptions of the different analytical frameworks of market conditions.
CO3	Analyze given situations in a monopolistic competition markets on a microeconomic level. Understand the internal structure, assumptions and comparisons between the different analytical frameworks of market conditions.
CO4	Apply Microeconomic tools to solve real life problems especially under uncertainty and game theory.
<p>Unit-I</p>	
<p>Perfect Competition: Meaning, Assumptions/Characteristics, Price determination, Short Run Equilibrium of firm and Industry, Long -Run Equilibrium of firm and Industry, Supply Curve of firm and Industry.</p>	
<p>Unit-II</p>	
<p>Monopoly: Definition, Assumptions/Characteristics, Equilibrium and Price Determination, Price Discrimination, degrees and justification, Monopoly power.</p>	
<p>Unit-III</p>	
<p>Imperfect Competition: Monopolistic competition, characteristics, short period and long period equilibrium of the firm, selling costs, excess capacity. Comparative study of markets: Comparison between perfect competition, monopoly and monopolistic competition on the basis of Price, Elasticity, Costs Output and Advertisement costs.</p>	
<p>Unit-IV</p>	
<p>Oligopoly: non collusive models –Cournot, Bertrand, kinked demand models; Collusive Models: joint profit maximizing market sharing and leadership cartels. Theory of Games –</p>	

Two-person, Zero-sum game, Pure and Mixed strategy, Saddle Point Solution.

Reading List

Archibald, G. C. (Ed.) (1971) *Theory of the Firm*. Penguin, Harmondsworth.

Baumol, W. J. (1982) *Economic Theory and Operations Analysis*. Prentice Hall of India, New Delhi.

Da Costa, G. C. (1980) *Production, Prices and Distribution*. Tata McGraw Hill, New Delhi.

Koutsoyiannis, A. (1979) *Modern Microeconomics (2nd Edition)*, Macmillan Press, London.

Salvatore, D. (2009) *Microeconomics-Theory and Applications*. Oxford University Press.

Varian, H. (2003) *Intermediate Microeconomics*, East-West Press.

Koutsoyiannis, A.: *Modern Microeconomics*.

Lipsey, R.G. and Chrystal, K. Alec" *An Introduction to Positive Economics*" (OUP)

Stonier & Haque: *A text book of Economic Theory*.

Varian, Hal R. "Intermediate Microeconomics - A Modern Approach" (7th edition, W.W. Norton and Co.)

Salvatore, D. "Microeconomic Theory (Schaum's Outline Series, Tata McGraw Hill)

Course Title: Macro Economics-II Course Code: BA/ECO&FIN/2/CC4		Total Credits: 6 Time: 3 Hrs. Marks: 100 External : 70 Internal : 30
Note for the Paper Setter The question paper will consist of nine questions in all. The first question will be compulsory and will consist of five short questions of 2 marks each covering the whole syllabus. In addition, eight more questions will be set unit-wise comprising of two questions from each of the four units. The candidates are required to attempt four more questions of 15 marks each selecting at least one question from each unit.		
Course Outcomes		
CO1	The student shall understand the meaning and concept of money.	
CO2	To Understand the concept of inflation.	
CO3	Understanding the fiscal and monetary policies.	
CO4	To understand the concept aggregate demand, aggregate supply and thoughts on macroeconomics.	
Unit-I Money: Functions of money; quantity theory of money; determination of money supply and demand; credit creation; tools of monetary policy.		
Unit-II Inflation: Concept, Causes, Types, Effects. Inflation and its social costs; hyperinflation.		
Unit-III Fiscal and Monetary Policy: Active or passive; monetary policy objectives and targets; rules versus discretion: time consistency; the government budget constraint; government debt and Ricardian equivalence.		
Unit-IV Aggregate Demand and Aggregate Supply: Curves Derivation of aggregate demand and aggregate and supply curves; interaction of aggregate demand and supply. Schools of Macroeconomic Thoughts: Classical; Keynesians; New-Classicals and New-Keynesians.		
Suggested Readings: Langdana, F.K. (2013) <i>Macroeconomic Policy: Demystifying Monetary and Fiscal Policy</i> . Springer. Romer, David (2012) <i>Advanced Macroeconomics</i> . McGraw Hill Education. Shapiro, E. (2006) <i>Macroeconomic Analysis</i> . Galgotia Publication, New Delhi. Levacic, Rosalind & Rebmann, Alexander (2015). <i>Macroeconomics</i> . Macmillan, London. Mankiw, Gregory N. (2014) <i>Principles of Macroeconomics</i> . Cengage Learning. Mishkin, F.S. (2016) <i>The Economics of Money Banking and Financial Markets</i> . Pearson.		

Course Title: Functional English ENG/1/AECC2		Credits: 4 (Theory) Max. Marks: 100 Final Term Exam.: 70 Duration of Exam.: 3 Hrs. Internal Assessment: 30
Note for the Paper Setter: The question paper will consist of five questions in all. The first question will be compulsory and will consist of five short questions of 2 marks each covering the whole syllabus. In addition, four more questions will be set unit-wise comprising of two questions from each of the two units. The candidates are required to attempt two more questions selecting at least one question from each unit.		
Objective: The course aims to introduce students to the theory, fundamentals and tools of communication and to develop in them effective communication skills which should be integral to personal, social and professional interactions. In addition, to develop in them the understanding of the English language.		
Course Outcomes: After completion of the course, learners will:		
CO1	have the knowledge of communication.	
CO2	have speaking skills in social interactions and communication in professional situations such as interviews, group discussions and office environments.	
CO3	have the knowledge and understanding of the language of communication.	
CO4	have reading, listening and writing skills.	
Unit-I		
Introduction: Definition and Theory of Communication, Types and modes of Communication. Language of Communication: Verbal and Non-verbal (Spoken and Written); Personal, Social and Business Barriers and Strategies; Intra-personal, Inter-personal and Group communication. Impact of communication on performance.		
Speaking Skills: Monologue, Dialogue, Group Discussion, Effective Communication, Miscommunication, Interview, Public Speech.		
Unit-II		
Speaking Skills: Monologue, Dialogue, Group Discussion, Effective Oral Communication, Miscommunication, Oral Presentation, Interview, Public Speech.		
Unit-III		
Remedial English: Parts of Speech, Sentences, Subject- Verb Agreement, Active and Passive Voice, Degrees of comparison, Direct and Indirect Speech, Question Tags.		
Reading and Understanding: Close Reading, Comprehension, Summary, Paraphrasing, Analysis and Interpretation, Translation (from Indian language to English and vice-versa), Literary/Knowledge Texts.		
Writing Skills: Elements of writing, Documenting, Report Writing, Making notes, Letter writing, Business communications		
Listening Skills: Listening and its types, Barriers of effective Listening, Barriers and Strategies for effective listening, Listening to complaints.		

Suggested Readings:

- B.K. Das and A. David, A Remedial Course in English, Book 2, C.I.E.F.L. (O.U.P.) 1980.
- A.S. Hornby, Oxford Advanced Learner's Dictionary of Current English (O.U.P.) 3, A Textbook of English Phonetics for Indian Students by T. Balasubramanian.
- Fluency in English - Part II, Oxford University Press, 2006.
- Business English, Pearson, 2008.
- Language, Literature and Creativity, Orient Blackswan, 2013.

**Course Title: Environmental Studies
EVS/1/AECC3**

Credits: 4 (Theory)
Max. Marks: 100
Final Term Exam.: 70
Duration of Exam.: 3 Hrs.
Internal Assessment: 20

Note for the Paper Setter: The question paper will consist of five questions in all. The first question will be compulsory and will consist of five short questions of 2 marks each covering the whole syllabus. In addition, four more questions will be set unit-wise comprising of two questions from each of the two units. The candidates are required to attempt two more questions selecting at least one question from each unit.

Course Objective

Students will understand how science and the scientific methods work to address environmental problems. The students will become familiar with the Earth's major systems, how they function and how they are affected by human?

Course Outcomes

After completing the course in Environmental Studies, students will be able to: Demonstrate an integrated approach to environmental issues with a focus on sustainability; Use critical thinking, and methodological approaches of the social sciences, natural sciences, and humanities in environmental problem solving.

Unit-I

The multidisciplinary nature of environmental studies: Definition, Scope and importance need for public awareness. Natural Resources: Renewable and non-renewable resources: Natural resources and associated problems. Forest resources: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forests and tribal people. Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems. Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies. Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies. Energy resources; Growing energy needs, renewable and non-renewable energy sources, case studies. Land resources: Land as a resource, land degradation man induced landslides, soil erosion and desertification. Role of an individual in conservation of natural resources. Equitable use of resources for sustainable lifestyles.

Unit-II

Ecosystems: Concept of an ecosystem, Structure and function of an ecosystem. Producers, Consumers and decomposers. Energy flow in the ecosystem, Ecological succession, Food chains, food webs and ecological pyramids. Introduction, types, Characteristic features, structure and function of the following of the ecosystem: Forest ecosystem, Grass land ecosystem, desert ecosystem, Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries).

Biodiversity and its conservation: Introduction-Definition: genetic, species and ecosystem diversity. Bio-geographical classification of India. Value of diversity: consumptive use, productive use, social, ethical; aesthetic and option calls. Biodiversity at global, National and local levels. India as a mega- diversity nation. Hot-spots of biodiversity. Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts. Endangered and endemics. Conservation of biodiversity: In-situ and Ex-situ, Conservation of biodiversity.

Unit-III

Environmental Pollution: Definition-Causes, effects and control measures of Air pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal pollution, Nuclear hazards, Solid waste Management: Causes, effects and control measures of urban and industrial wastes. Role of an individual in prevention of pollution. Pollution case studies. Disaster Management: floods, earthquake, cyclone and landslides.

Social Issues and the environment: From Unsustainable to Sustainable development. Urban problems related to energy. Water conservation, rain water harvesting, watershed management. Resettlement and rehabilitation of people; its problems and concerns. Case studies. Environmental ethics: Issues and possible solutions. Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case studies. Wasteland reclamation. Consumerism and waste products. Air (prevention and Control of Pollution) Act. Water (prevention and control of pollution) Act. Wildlife Protection Act. Forest Conservation Act. Issues involved in enforcement of environmental legislation. Public awareness.

Unit-IV

Human Population and the Environment: Population growth, variation among nations. Population explosion- family Welfare Programme. Environment and human health. Human Rights. Value Education. HIV/AIDS. Women and child welfare, role of information technology in environment and human health, Case Studies.

Field work: Visit to a local area to document environmental assets: river/forest grass land/hill/mountain, Visit to a local polluted site-Urban/Rural/Industrial/ Agricultural, Study of common plants, insects, birds. Study of simple ecosystems pond, river, hill slopes, etc.

Suggested Readings:

1. Agarwal, K.C. 2001 *Environmental Biology*, Nidhi Publ. Ltd. Bikaner.
2. Bharucha Erach, *The Biodiversity of India*, Mapin Publishing Pvt. Ltd., Ahmedabad-380013, India.
3. Clerk R.S., *Marine Pollution*; Clarendon Press Oxford.
4. *Down to Earth*, Centre for Science and Environment.
5. Hawkins R.E., *Encyclopedia of Indian Natural History*, Bombay Natural History Society, Bombay.
6. Mhaskar A.K., *Matter Hazardous*, Techno-Science Publications.
7. Townsend C., Harper J, and Michael Begon, *Essentials of ecology*, Blackwell Science.
8. Trivedi R.K and P.K Goel, *Introduction to air pollution*, Techno-Science Publications.
9. Trivedi R.K, *Handbook of Environmental Laws, Rules, Guidelines Compliances and Standards, Vol I and II*, Envirol Media.
10. Wagner K.D., 1998. *Environmental Management*. W.B. Saunders Co. Philadelphia, USA.

Generic Elective Course

Course Title: Microeconomics BA/ECO&FIN/1/GEC1		Total Credits: 6 Time: 3 Hrs. Marks: 100 External : 70 Internal : 30
Note for the Paper Setter The question paper will consist of nine questions in all. The first question will be compulsory and will consist of five short questions of 2 marks each covering the whole syllabus. In addition, eight more questions will be set unit-wise comprising of two questions from each of the four units. The candidates are required to attempt four more questions of 15 marks each selecting at least one question from each unit.		
Course Outcomes		
CO1	Know the scope and breadth of Micro Economics along with understanding of these concepts to comprehend real world problems along with the ability to think critically and analyze economic problems.	
CO2	It will make students aware about the various concept of utility.	
CO3	The core principles of demand and supply so that they are able to apply the able to apply the understanding of these concepts to comprehend real world problems.	
CO4	Understanding the core principles of production and revenue so that they are able to apply the understanding of these concepts to comprehend real world problems along with the ability to think critically and analyze economic problems.	
Unit-I		
Nature and scope of Economics; Positive and Normative Economics; Basic problems of an Economy; Basic tools of Theoretical Analysis (Micro and Macro, Deductive and Inductive, static and dynamic, Stock and Flow)		
Unit-II		
Theories of Consumer Behaviour: Cardinal utility Theory, Marginal and total utility, Consumer equilibrium, Derivation of demand curves Ordinal utility Theory: Indifference curve analysis, Characteristics, Budget line, Marginal rate of substitution, Consumer's equilibrium.		
Unit-III		
Demand Function-Law of demand, changes in demand, and elasticity of demand. Supply Function-Law of Supply, changes in supply, elasticity of supply. Market demand curve;		
Unit-IV		
Production Function; TP, AP and MP; Returns to a Factor and Returns to Scale; Isoquant and their uses, least cost combination. Revenue; Total, Marginal and Average Revenue.		
Reading List Archibald, G. C. (Ed.) (1971) <i>Theory of the Firm</i> . Penguin, Harmondsworth. Baumol, W. J. (1982) <i>Economic Theory and Operations Analysis</i> . Prentice Hall of India, New Delhi. Da Costa, G. C. (1980) <i>Production, Prices and Distribution</i> . Tata McGraw Hill, New Delhi. Koutsoyiannis, A. (1979) <i>Modern Microeconomics (2nd Edition)</i> , Macmillan Press, London. Salvatore, D. (2009) <i>Microeconomics-Theory and Applications</i> . Oxford University Press. Varian, H. (2003) <i>Intermediate Microeconomics</i> , East-West Press.		

Course Title: Macroeconomics Course Code: BA/ECO&FIN/2/ GEC2		Total Credits: 6 Time: 3 Hrs. Marks: 100 External : 70 Internal : 30
Note for the Paper Setter The question paper will consist of nine questions in all. The first question will be compulsory and will consist of five short questions of 2 marks each covering the whole syllabus. In addition, eight more questions will be set unit-wise comprising of two questions from each of the four units. The candidates are required to attempt four more questions of 15 marks each selecting at least one question from each unit.		
Course Outcomes		
CO1	The student shall understand the meaning and basic concepts of Macro Economics.	
CO2	To Understand the concept and measurement of national income.	
CO3	To Understand the concept of circular flow of national income and basics of classical theory of income and employment determination	
CO4	To understand the classical theory of determination of income and employment.	
Unit-I Macro Economics: Meaning, characteristic and scope of Macro Economics, Differences between Micro and Macro Economics, Basic Concepts: Real and nominal; Induced and autonomous; stock and flow; Static, comparative Static and dynamic analysis; intermediate and final goods.		
Unit-II Concepts of National Income: GDP, GNP, NDP and NNP at Market Price and factor cost. Measurement of National Income; Income, Expenditure, product and value-added method and their precautions and limitations.		
Unit-III Circular flow of National Income: Real and monetary flow of income, circular flow of income in two, three and Four sector economy. National income and welfare. Determination of Income and Employment: Classical View, Labour Market; Product Market and Money Market.		
Unit-IV Determination of Income and Employment: Full Employment and Various Types of Unemployment; Say's Law of Market; Classical Theory of Employment with and without saving & investment; Keynes' objection to the Classical Theory.		

Suggested Readings:

Langdana, F.K. (2013) *Macroeconomic Policy: Demystifying Monetary and Fiscal Policy*. Springer.

Romer, David (2012) *Advanced Macroeconomics*. McGraw Hill Education.

Shapiro, E. (2006) *Macroeconomic Analysis*. Galgotia Publication, New Delhi.

Levacic, Rosalind & Rebmann, Alexander (2015). *Macroeconomics*. Macmillan, London.

Mankiw, Gregory N. (2014) *Principles of Macroeconomics*. Cengage Learning.

Mishkin, F.S. (2016) *The Economics of Money Banking and Financial Markets*. Pearson.