Kadi Sarva Vishwavidyalaya Gandhinagar

(A University established vide Gujarat State Government Act 21 of 2007 in May 2007 and approved by UGC (ref F. 9-18/2008(cpp-1) March 19,2009))

Faculty of Management

Bachelor of Business Administration (BBA)

Semester – I Syllabus

W. E. F.

Academic Year 2023-24

BBA Semester–I
Major Course
Principles of Management - I (MAM201-1C)

Course Objective:
- Management as a subject holds utmost importance as an integral part of a professional course like BBA.
- It makes the students learn, understand, relate and execute its knowledge to the real world
- The course thus aims to help the students/learners to become successful corporate practitioners, entrepreneurs and academicians

Course Outcome:
After successful completion of the course the learner shall be able to:
- Understand fundamentals of structured and professional dynamics of corporate world
- Relate the knowledge with real world for better implementation
- Take advantage of forward integration of other subjects

COURSE CODE	TITLE OF COURSE	CATEGORY OF COURSES	CREDITS	TEACHING HOURS PER WEEK			EVALUATION		
				Theory (Hrs.)	Practical (Hrs.)	Total (Hrs.)	CCE	SEE	TOTAL MARKS
MAM201-1C	Principles of Management-I	MAJOR	4	4	0	4	50	50	100

Unit No.	Title of Unit and Details	Instructional Hours	Weightage in % (Approx.)
1	**Forms of Business** Meaning and Basic Features, Advantages and Disadvantages of: 1) Sole Proprietorship, 2) Partnership, 3) HUF, 4) Co- Operative Society, 5) Company. Types of company. Difference among various businesses, **Basics of Management** Meaning and Basic Features of Management, Levels of Management, Skills Possess by A Manager (Managerial Skills) Management as A Science and An Art. Management as An Emerging Profession. Role of Manager. Management Vs Administration.	15	25%

2	**The Evolution of Management Thought** Contributions and limitations of – Scientific Management, Administrative Management, Bureaucratic Management, Human Relation Movement of Elton Mayo, System Approach and Contingency Management.	15	25%
3	**Planning** Process of Management, Meaning, Feature, Importance, Limitations and Process of Planning. Types of Planning: Strategic and Operational Planning. Meaning of Plan. Single Use and Standing Plan and Types of Plan (objectives, strategies, policies, procedures, rules, methods, programmes and budgets)	15	25%
4	**Decision Making** Meaning, Features, Importance, Process of Decision Making. Effective Decisions and Guidelines for making effective decisions. Individual Vs Group decision making. Positive and Negative aspects of Group decision making. Problem solving and approaches for problem solving (Routine approach, Scientific approach, quantitative and creative approach) **Life, legacy and lessons from corporate personalities** Family background , education and business evolution of:- Dhirubhai Ambani, Ratan Tata, Jeff Besos, Elon Musk, Narayan Murthy, Kiran Mazumdar- Shaw.	15	25%
	Total	**60**	**100%**

References:
1. Principles and Practice of Management – L M Prasad, Sultan Chand & Sons, New Delhi
2. Principles Of Management - Reddy and Tripathi, Tata McGrawhill Publications
3. Management, James A F Stoner and Others, Pearson Education
4. Management Text and Cases, R. Satya Raju & A. Parthasarathy, Eastern Economy Edition
5. Management, Robert Kreitner & MamataMohapatra, Himal Impressions
6. Principles of Management (GTU), Sachin Kulkarni, Tech-max Publication
7. Forms of Business Organization, S P Shah and Others, Mahajan Publication.
8. Wikipedia.org
9. Youtube.com

Creative Application

Chapter-1 Process of opening any form of business and market visit.
Chapter-4 Presentation on planning of any small event with procedure.
Chapter-5 Demonstrating the key aspect and procedure of decision making.
Chapter-6 Role play of other business tycoons

BBA Semester–I
Major Course
Principles of Economics-I (MAM202-1C)

Course Objective:
- The importance of management education in the prevailing situation is growing by leaps and bounds wherein a subject like Basic Economics at the introductory level is of outmost importance.
- The student, after being graduated, has to ultimately work in the industry and hence he/she must know the basic concepts of economics which are seen applied vehemently in the corporate as well as in the social life.
- This course encompasses the microeconomic concepts, their uses and applications to develop a logical link in the minds of the students in understanding and applying them.

Course Outcome:
After successful completion of the course the learner shall be able to:
- Understand various microeconomic concepts and principles used and applied in the daily life.
- Understand the utility of application of the concepts and the principles.

COURSE CODE	TITLE OF COURSE	CATEGORY OF COURSES	CREDITS	TEACHING HOURS PER WEEK			EVALUATION		
				Theory (Hrs.)	Practical (Hrs.)	Total (Hrs.)	CCE	SEE	TOTAL MARKS
MAM202-1C	Principles of Economics-I	MAJOR	4	4	0	4	50	50	100

Unit No.	Title of Unit and Details	Instructional Hours	Weightage in % (Approx.)
1	**Introduction to Economics** Definition (Wealth Definition, Welfare Definition, Scarcity Definition & Modern Definition) Nature and Scope of Economics **Microeconomics:** Meaning – Uses – Limitations **Central Problem of Economy and Production Possibility Curve** What, How and For Whom to Produce	15	25%

	Production Possibilities Curve and Its Properties		
2	**Utility Analysis** Concept of Utility Types of Utility Law of Diminishing Marginal Utility Relationship between Marginal Utility and Total Utility	15	25%
3	**Demand and Supply** **Demand:** Meaning, Determinants, Law of Demand, Expansion and Contraction of Demand and Increase and Decrease in Demand **Supply:** Meaning, Determinants, Law of Supply, Expansion and Contraction of Supply and Increase and Decrease in Supply	15	25%
4	**Price Determination Under Free Market Mechanism** Demand and Supply as Determinants of Price under Free Market- Effect of Change in Demand/Supply on Equilibrium Price **Different Forms of Markets** Defining Market, nature of functions and nature of competition Perfect Competition: Meaning and Characteristics Monopoly: Meaning and Characteristics Monopolistic Competition: Meaning and Characteristics Oligopoly: Meaning and Characteristics	15	25%
	Total	**60**	**100%**

References:

1. Principles of Economics, B. M. Mule and RamakantaPrusty, Mahajan Publications.
2. Principles of Economics, V. Lokanathan, S. Chand Publications.
3. Principles of Economics, D N Diwedi.
4. Principles of Economics, V. Loknathan, S. Chand & Company
5. Elementary Economic Theory, K. K. Dewett and J. D. Varma, S. Chand Publications
6. Modern Economic Theory, K. K. Dewett, S. Chand Pubications.
7. Wikipedia.org
8. Youtube.com

BBA Semester–I
Minor Course
Financial Accounting - I (MAE201-1C)

Course Objective:

- Financial Accounting as a subject discloses the business's profits and losses to present a genuine and fair picture of the business to protect the interests of all internal and external stakeholders.
- It makes the students understand accounting concepts, conventions and rules and prepare a financial statement of a business.
- The course thus aims to help the students/learners to have accounting information for decision making in business.

Course Outcome:

After successful completion of the course the learner shall be able to understand:

- Concept, Objectives, Characteristics, Branches and Limitations of Accounting
- Classification of Business Transactions and Record-Keeping
- Preparation of Final Account of Sole Proprietorship
- Bank Reconciliation and Rectification of Errors

COURSE CODE	TITLE OF COURSE	CATEGORY OF COURSES	CREDITS	TEACHING HOURS PER WEEK			EVALUATION		
				Theory (Hrs.)	Practical (Hrs.)	Total (Hrs.)	CCE	SEE	TOTAL MARKS
MAE201-1C	Financial Accounting-I	MINOR	4	4	0	4	50	50	100

Unit No.	Title of Unit and Details	Instructional Hours	Weightage in % (Approx.)
1	**Introduction of Accounting** Definition, Objectives, Characteristics, Branches, Limitations of Accounting and Users of Accounting Information **Accounting Concepts & Conventions** Business Entity Concept, Dual aspect Concept, Going Concern Concept, Accounting Period Concept, Money Measurement Concept, Objectivity Principle, Cost Concept, Matching Concept, Realization Concept,	15	25%

	Accrual Concept, Consistency, Disclosure, Materiality and Conservatism (Only Theory) **Recording of Transactions-I** Systems of Record Keeping: Single Entry & Double Entry Book Keeping System, Basis of Accounting: Cash and Accrual Basis, Classification/Types of Accounts, Rules of Debit and Credit (Only Theory)		
2	**Recording of Transactions-II** Practical Examples of Journal Book, Ledger Book and Subsidiary Book related to Goods and Cash Book	15	25%
3	**Recording of Transactions-II** Practical Examples of preparation of Trial Balance **Final Accounts of Sole Proprietorship** Specimen of Trading Account, Profit & Loss Accounts & Balance Sheet, Practical Examples with elementary adjustments like depreciation, outstanding expenses and prepaid expenses, outstanding incomes and incomes received in advance and provision for doubtful debts, interest on drawings and interest on capital.	15	25%
4	**Bank Reconciliation Statement** Meaning, Reasons for differences between Cash Book and Pass Book, Elementary level Practical Examples **Rectification of Errors** Meaning, Types of Errors and Elementary level Practical Examples.	15	25%
	Total	**60**	**100%**

References:
1. Tulsian P. C., "Financial Accounting", Pearson Education, New Delhi.
2. Gupta R.L. and V. K. Gupta., "Financial Accounting", Sultan Chand & Sons, New Delhi.

Skill Development Activities:
- List out the accounting concepts and conventions with practical problems.
- Practical application of Accounting cycle; starting from preparation of Journal Book, Ledger Posting based on Journal, preparation of Trial Balance and Balance sheet.
- Prepare a subsidiary book with imaginary figures.
- Prepare a Final Account of Sole Proprietorship with imaginary figures.
- Prepare a Bank Reconciliation Statement with imaginary figures.

BBA Semester-I
Minor Course
Psychology of Personal Adjustment (MAE202-1C)

Course Objectives:
• To make the learner mentally, emotionally and socially healthy
• To help the learner understand the self and others

Course Outcomes:
After successful completion of the course, the learners will -
• Be mentally healthy, emotionally sound and responsible citizen of the country
• Apply Psychological theories / Principles at personal level to understand self and others.

COURSE CODE	TITLE OF COURSE	CATEGORY OF COURSES	CREDITS	TEACHING HOURS PER WEEK			EVALUATION		
				Theory (Hrs.)	Practical (Hrs.)	Total (Hrs.)	CCE	SEE	TOTAL MARKS
MAE202-1C	Psychology of Personal Adjustment	MINOR	4	4	0	4	50	50	100

Unit No.	Title of Unit and Details	Instructional Hours	Weightage in % (Approx.)
1	**An Introduction to Psychology of Personal Adjustment** Meaning and nature of psychology of adjustment, meaning and scope of personal adjustment, Characteristics of satisfactory adjustment, Methods of adjustment. **Interpersonal Relationship** Effect of early family experiences, fundamentals of interaction- communication – feedback – social expectation – role- behaviour- reciprocal gratification	15	25%
2	**Family Adjustment** Meaning and nature of Family, the Functions of Family, the Dynamics of Family interaction: the Husband – Wife Relationship, the Parent-Child Relationship, Adjusting to Family crises. **School Adjustment** School as a New Experience, the Home-school Relationship, the Teacher-Child Relationship, the Dynamics of learning	15	25%

3	**Motivation and Frustration** The Process of Motivated Behaviour Personal Needs, Physiological Needs and Psychological Needs, Sources of Frustration, Effects of Frustration **Job Adjustment** The Transition from School to Work, Factors Affecting Job Selection, Factors Affecting Job Satisfaction	15	25%
4	**Psychosexual Adjustment** Factors in Mate Selection, Psychosexual Relationships in Marriages, Why Some People do not Marry? **Old Age Adjustment** Changes that Occur during the Aging Process, Sources of Adjustment Difficulties, Viewing Old Age Constrictively	15	25%
	Total	**60**	**100%**

Reference

- George, Lehner and Ella Kube, The Dynamics of Personal Adjustment., Prentice – Hall. Ine.(N.J.)
- Weiten W. and Lloyd, M.A. (2007) Psychology Applied Modern Life Adjustment in the 21st Century, 8th Edition. United State Thomson Wadsworth

BBA Semester–I
Multi-Disciplinary Course
Business Mathematics (MDC221-1C)

Course Objective:
- The basic objective to learn this subject is to adapt the knowledge of various mathematical tools and techniques and models which helps in dealing with real-life business situations.
- The student learning mathematics develops analytical and logical capabilities which are seen applied vehemently in the corporate as well as the social life.
- The course encompasses the basic concepts of mathematics and their applications required by managers in their day to day operations.

Course Outcome:
After successful completion of the course, the learner shall be able to:
- Learn various Mathematical concepts of routine use for managers.
- Interpret and solve business related problems.
- Utilize the application of the concepts and principles for the industry

COURSE CODE	TITLE OF COURSE	CATEGORY OF COURSES	CREDITS	TEACHING HOURS PER WEEK			EVALUATION		
				Theory (Hrs.)	Practical (Hrs).	Total (Hrs.)	CCE	SEE	TOTAL MARKS
MDC 221-1C	Business Mathematics	MDC	4	4	0	4	50	50	100

Unit No.	Title of Unit and Details	Instructional Hours	Weightage in % (Approx.)
1	**Set Theory** Sets, types of sets, subsets, power set, null set, universal set, equality of two sets, complement of a set, union and intersection of sets, different of two sets, Venn diagram, De Morgan Laws, Cartesian product of two sets and number of elements in a finite set.	15	25%
2	**Matrices** Meaning of matrix and types of matrix, Equality of matrix, Addition and subtraction and multiplication of matrices, Transpose of matrix, Determinant, Minors, Adjoint and Inverse of matrix.	15	25%

3	**Function** Concepts of a function, domain, co-domain and range of a function, Types of Function-Constant, One-one and Many-one functions, Linear function-cost, revenue and profit function, Break-Even Analysis. **Interest** Simple Interest, Compound Interest, Practical problems.	15	25%
4	**Arithmetic Progression**- Definitions, Common Difference, General terms, Summation of n terms. Arithmetic Mean. **Geometric Progression-** Definitions, Common Ratio, General terms, Summation of n terms, Geometric Mean. **Differentiation** Definition of Derivative, Derivatives of some functions using Definition, Basic Rules of Differentiation, some standard formulas of derivative, Derivative of Composite Function.	15	25%
	Total	**60**	**100%**

References:
1. Business Mathematics, Dr. K. R. Kachot, Mahajan Publication.
2. Mathematics for managers, Raghavan.
3. Business Mathematics, Dr. AmarnathDikshit and Dr. Jitendrakumar Jain, Himalaya Publishing House.
4. Business Mathematics, PadmalochanHajarica, Himalaya Publication.
5. Business Mathematics, B.S. Shah Publication.
6. Business Mathematics, V. K. Kapoor, Sultan Chand and Sons, New Delhi.

BBA Semester-I
Multi-Disciplinary Course
Fundamentals of Sociology (MDC222-1C)

Course objectives:
- To introduce students to the fundamental social processes of society, social institutions and theories of stratification and mobility
- To look at how individuals are shaped by society and, in turn, shape it

Course Outcome:
After successful completion of the course, the learners will –
- Understand the social interaction
- Understand how individuals are shaped by society and, in turn, shape it

COURSE CODE	TITLE OF COURSE	CATEGORY OF COURSES	CREDITS	TEACHING HOURS PER WEEK			EVALUATION		
				Theory (Hrs.)	Practical (Hrs.)	Total (Hrs.)	CCE	SEE	TOTAL MARKS
MDC222 -1C	Fundamentals of Sociology	MDC	4	4	0	4	50	50	100

Unit No.	Title of Unit and Details	Instructional Hours	Weightage in % (Approx.)
1	**Nature of Sociology** Meaning and Definition of Sociology Origin of Sociology Development of sociology Field of sociology The subject area of sociology Nature of Sociology Relationship of Sociology with other Social Sciences	15	25%
2	**Basic Concepts** Community Community committees and institutions Social group Human and animal society	15	25%
3	**Institutions** Marriage, Family, Religion	15	25%

4	**Stratification and Mobility:** Concepts - equality, inequality, hierarchy, exclusion, poverty, and deprivation. Theories of social stratification - Structural functionalist theory, Marxist theory, Weberian theory. Dimensions - Social stratification of class, status groups, gender, ethnicity and race. Social mobility - open and closed systems, types of mobility, sources and causes of mobility	15	25%
	Total	**60**	**100%**

Sociology Book in English
- Sociology - Prof. M. L. Gupta and Dr. D. D. Sharma
- Elementary Concept of Sociology - Dr. G. K. Agarwal
- Indian Society - - Dr. G. K. Agarwal
- Introduction to Sociology - Dr. G. K. Agarwal
- Social Structure and Change in India – Hirendra Pratap Singh and Naveen Kumar
- Rural and Urban Sociology - Dr. G. K. Agarwal
- An Introduction to Sociology - Mustafa Hussain
- Sociology - CN Shankar Rao
- Sociology - Parimal. B. Kar
- Sociology - JP Singh
- Sociology - Gopi Raman Singh

KADI SARVA VISHWAVIDYALAYA

Basic Course in English Language (BBA and B.Com. Semester 1/2)

AEC201-1C

Learning Outcomes

1. Awareness of basic language functions
2. Mechanics of higher language skills
3. Conceptualization of structure
4. Communicative aspect of the language

COURSE CODE	TITLE OF COURSE	CATEGORY OF COURSES	CREDITS	TEACHING HOURS PER WEEK			EVALUATION		
				Theory (Hrs.)	Practical (Hrs.)	Total (Hrs.)	CCE	SEE	TOTAL MARKS
AEC201-1C	Basic Course in English Language	AEC	2	2	0	2	25	25	50

Course Content

Units	Content	Reference Books	Hrs.
1	**Language functions**		
1.1	Language purpose and functions: concept and contextual understanding with basic functions examples and practice	Oxford guide to effective Writing and Speaking By: John Seely, Oxford University Press Publication	03
		The official Cambridge Guide to IELTS By: Cullen, French and Jakeman, Cambridge University press publication	
2	**Grammar**		
2.1	**Parts of speech** 1. Noun 2. Pronoun 3. Verb 4. Adverb 5. Adjective 6. Preposition 7. Connectives	Communication Skills by Sanjay Kumar and Pushpa Lata, Oxford University Press publication,	12

2.2	**Tenses** Using Tenses: -simple present or present progressive -Present perfect or simple past -simple past or past perfect -simple future or future progressive -future perfect -present perfect continuous -Past perfect continuous -future perfect continuous	As above	

2.3	**Modals**
	  I. Use of 'Be', 'Do', 'Have'
	  II. Can – Could
	  III. Shall – Should
	  IV. Will – Would
	  V. May – Might
	  VI. Must – Ought to
	  VII. Dare – Need
		Communication Skills By Sanjay Kumar and Pushpa Lata, Oxford University Press publication	

2.4	**Subject – Verb Agreement**	As above	

2.5	**Active-Passive Voice**
	  I. Basic Rules
	  II. Omissions of the objects
	  III. Passive voice: Transitive verb, Two Objects, Preposition
	  IV. Imperative sentences
		As above	

3	**Communicative Aspects**		

3.1	Process of Reading
	  - Need for developing efficient reading
	  - Difference between efficient and inefficient reader
	  - Four basic steps to effective reading
	  - Overcoming common obstacles
	  - Four types of reading
	  - Methods of reading
	  - Approaches to efficient reading
	  - Tips for effective reading
		Communication Skills By Sanjay Kumar and Pushpa Lata, Oxford University Press publication	3

3.2	Reading comprehension
	  - Strategies to Reading comprehension
	  - Reading and practicing from the given 5 passages (exam will include an unseen passage)
		As above	4

3.3	Listening comprehension – Listening to and solving the IELTS tests recordings	The official Cambridge Guide to IELTS By: Cullen, French and Jakeman, Cambridge University press publication	2
3.4	Precis writing: what it is, some working principles, seven steps to write an effective precis, step by step practical precis writing for the suggested passages.	Communication Skills By: Sanjay Kumar and Pushpa Lata, Oxford University Press publication.	3
3.5	Paragraph Development Introduction, central components, techniques for paragraph development, Exercises as suggested and free writing practice. (familiar topics)	Technical Communication: principles and Practice By: Meenakshi Raman and Sangeeta Sharma, Oxford university press publication	3

Reference Books:

1. Oxford guide to effective Writing and Speaking By: John Seely, Oxford University Press Publication
2. The official Cambridge Guide to IELTS By: Cullen, French and Jakeman, Cambridge University press publication
3. Communication Skills By Sanjay Kumar and Pushpa Lata, Oxford University Press publication
4. Technical Communication: principles and Practice By: Meenakshi Raman and Sangeeta Sharma, Oxford university press publication

BBA Semester-I
Skill Enhancement Course
Fundamentals of Information Technology (SEC221-1C)

Course Objective:

- This course aims to familiarize students with computers and Microsoft Windows, while learning basic computer, mouse and keyboard skills in a supportive classroom environment.
- Computer is an indispensable appliance that every person always bases on it. People usually use computer for daily life.
- This age is known as the era of IT business, where every application is linked with computer technologies. The use of computers can make business transactions very accurate, thus keeping a proper record of profit and loss. Computers play a very vital role in education.

Course Outcome:

After successful completion of the course, the learner shall be able to:

- Understand various computer concepts and principles used and applied in the daily life.
- Learn Scope of application of the MS Office and principles taught.
- Learn the concept of windows base operating system.

COURSE CODE	TITLE OF COURSE	CATEGORY OF COURSES	CREDITS	TEACHING HOURS PER WEEK			EVALUATION		
				Theory (Hrs.)	Practical (Hrs.)	Total (Hrs.)	CCE	SEE	TOTAL MARKS
SEC221-1C	Fundamentals of Information Technology	SEC	2	0	4	4	25	25	50

Unit No.	Title of Unit and Details	Instructional Hours	Weightage in % (Approx.)
1	**Introduction** Application of Computer Block Diagram of Computer **Operating System** Introduction to OS, Application of OS, Booting- Warm and Cold booting **Windows** Advantages of Windows	15	25%

	Windows different terms (Desktop, Icon, Wallpaper, Taskbar, My computer, Network Neighborhood, My document, Recycle bin, Control panel & it's setting, Find, Shutdown, Logoff, Notepad, Paint)		
2	**MS-Word** Introduction to MS Word, Applications of MS Word Basic operations (New, open, save, save as, pages setup, print, print preview, undo, redo, find, replace, Header-footer.) Formatting operation (Bold, Italic, Font, paragraph, Bullets-numbering, Border shading, Change case, Column, Drawing toolbar.) Miscellaneous operation (hyper link, auto text, spell – check, drop cap, mail merge, saving a document with a password , table)	15	25%
3	**MS Excel** Introduction To Excel, Applications of MS Excel, Concept of workbook, worksheet, workspace, Types of data, Formatting workbook, Conditional formatting, Sorting Data, Data validation, Data filter, Charts, Protecting Worksheet Functions and formulas – 1.Mathematical - INT, FACT, SIGN, MOD, POWER, ABS, SUM, SUMIF 2.Logical - AND, OR, NOT, IF 3.Statistical- MIN, MAX, AVG, COUNT IF 4.Text –CONCATENATE, FIND, LEFT, RIGHT, TRIM	15	25%
4	**MS Power Point** Introduction to MS PowerPoint. Applications of Presentation Creating presentation (adding slide, formatting, adding colors, background & shading) Special Features (custom animation, slide transition, slide sorter, inserting sound)	15	25%
	Total	**60**	**100%**

References:
1. Fundamentals of Computers by V. Rajaraman (PHI)
2. PC Software for Windows by TAXALI (TMH)
3. Foundations of Computing by P.K. Sinha (BPB)
4. Computer Science by E BalaguruSwami (TMH)

5. A first course in Computer by Sanjay Saxena, 2003 Edition,.
6. Computer Fundamental – Concept, System and Applications by D.P. Nagpal.
7. Introduction to Computers by Peter Nortans
8. Microsoft Office 2003 in ten simple steps or less by Michael Desmond
9. Wikipedia.org
10. Youtube.com

BBA Semester – I
Indian Knowledge System
Introduction to IKS (IKS201-1C)

Course Objective:
- Due to major changes in the educational system introduce in India about 200 years back, there was a great disruption to the process of knowledge transmission and the continuity is mostly lost.
- This course is an effort to bring snippets of the Indian Knowledge System (IKS) by providing a fresh relook at the corpus and culling out relevant portions that may generate renewed interest in the subject and motivate the learner to go deep into it.

Course Outcome:
After successful completion of the course, the students shall be able to learn:
- Historicity of Indian Knowledge System
- About four Vedas
- About the Indian Education System

COURSE CODE	TITLE OF COURSE	CATEGORY OF COURSES	CREDITS	TEACHING HOURS PER WEEK			EVALUATION		
				Theory (Hrs.)	Practica l (Hrs.).	Total (Hrs.)	CCE (Theory)	SEE (Theory)	TOTAL MARKS
IKS201-1C	Introduction to IKS	IKS	2	2	-	2	25	25	50

Unit No.	Title of Unit and Details	Instructional Hours	Weightage in % (Approx.)
1	**Indian Knowledge System- An Overview** Importance of Ancient Knowledge Definition, The IKS Corpus – A Classification Framework Historicity of IKS Some Unique Aspects of IKS **The Vedic Corpus** Introduction to Vedas The Four Vedas The Four Divisions of Each Veda Vedic Life: Distinctive Features	15	50%
2	Preservation of culture, tradition and Dharma through	15	50%

	education. Svadhyaya, Pravachana. Continuity of the family and the Vamsha, who are the carriers of Knowledge, Tradition and Dharma.		
Total		**30**	**100%**

References:

Introduction to Indian Knowledge System Concepts and Applications, B Mahadevan, Vinayak Rajat Bhat, Nagendra Pavana, PHI Learning Private Limited, New Delhi

BBA Semester – I
Indian Knowledge System
Indian Astronomy-I (IKS202-1C)

Course Objective:

- Astronomy referred as the "mother of all the sciences" and has the power to give clarification about the origins of life and universe for present as well as future generations. There are many astronomers who have greatly contributed in the field of Indian astronomy. the subject will throw the light on the same.

- It will also create inspirational drive to know and understand through the treasure trove of Indian knowledge systems, where science and spirituality converge to illuminate the path to enlightenment with potential applications in our daily lives.

Course Outcome:

After successful completion of the course, the students shall be able to:

- Understand the universe explained in the Upanishads by ancient scholars like Aryabhata and Brahmagupta.

- Understand Indian knowledge system that weaves together threads of ancient wisdom and scientific discovery.

- have the knowledge about implementation of science in spirituality with potential applications in our daily lives.

COURSE CODE	TITLE OF COURSE	CATEGORY OF COURSES	CREDITS	TEACHING HOURS PER WEEK			EVALUATION		
				Theory (Hrs.)	Practical (Hrs.)	Total (Hrs.)	CCE (Theory)	SEE (Theory)	TOTAL MARKS
IKS202-1C	Indian Astronomy-I	IKS	2	2	-	2	25	25	50

Unit No.	Title of Unit and Details	Instructional Hours	Weightage in % (Approx.)
1	**Historical Introduction & Celestial Sphere** Introduction, Ancient Indian Astronomy, The Vedic Period and Vedāngajyotiṣa, Siddhanta, Aryabhaṭa I (476 AD), Astronomers after Aryabhata, Contents of the Siddhantas, Continuity in Astronomical Tradition, Diurnal Motion of Celestial Bodies, Motion of Celestial Bodies Relative to Stars, Celestial Horizon, Meridian, Pole Star and Directions,	15	50%

	Zodiac and Constellations, Equator and Poles (Viṣuvadvṛtta and Dhruva), Latitude of a Place and Altitude of Pole Star, Ecliptic and the Equinoxes		
2	**Co-ordinate Systems & Rāsi and Nakṣatra Systems** Introduction, Celestial Longitude and Latitude (Ecliptic System), Right Ascension and Declination (Equatorial System), Azimuth and Altitude (Horizontal System), Hour Angle and Declination (Meridian System), Phenomenon of Precession of Equinoxes, Ancient Indian References to the Precession, Effects of Precession on Celestial Longitude, Tropical (Sayana) and Sidereal (Nirayana) Longitudes, Zodiac and Rāsis, Nakṣatra System	15	50%
	Total	**30**	**100%**

Reference books:

1. Indian astronomy: An introduction by S. Balachandra Rao, Universities Press (India) Ltd, Hyderabad
2. THE ARYABHATI of ARYABHATA: An Ancient Indian Work on Mathematics and Astronomy, Walter Eugene Clark, The Univeristy of Chicago Press, Illinois
3. Indian Astronomy- A source book (Based primarily on Sanskrit Texts), Compiled by B V Subbarayappa & K V Sharma, Nehru Center, Bombay.