St. Joseph's College of Commerce

(Autonomous)
163, Brigade Road, Bengaluru – 560 025

Accredited with 'A++' Grade (4th Cycle) by the National Assessment and Accreditation Council (NAAC)

Recognized by the UGC as
"COLLEGE WITH POTENTIAL FOR EXCELLENCE"

B.Sc (Economics) Honours

Semester I & II

Syllabus as per National Education Policy Curriculum Framework

Academic year 2022 – 2023

St. Joseph's College of Commerce
(Autonomous)
Affiliated to Bengaluru City University

St. Joseph's College of Commerce (SJCC) was formerly a part of St. Joseph's College, established in the year 1882. The Commerce Department was established in the year 1949 and it became an independent college with its own building in Brigade Road in the year 1972.

The college has in its Vision a model for higher education which encourages individuals to dream of a socially just world and in its Mission a strategy to empower individuals in realizing that dream.

With an objective of imparting quality education in multidisciplinary fields of Commerce, Management, Economics, English and Psychology the college has been innovating in all aspects of higher education over a long period of time. These innovations were further bolstered with the granting of autonomous status to the college by UGC in September 2005. From then on, the college has taken a lead in reforming curriculum and syllabus, examination and evaluation pattern and teaching and learning methods through the Board of Studies, the Academic Council and the Governing Council comprising of eminent academicians, industry representatives and notable alumni.

The college has undergone four cycles of NAAC accreditation starting from the year 2000 in which it secured 'five stars', next in the year 2007 an 'A' grade, in the year 2012 again an 'A' grade and recently in February 2021 an 'A++'. It is one of the very few institutions in the country to have secured A++ grade in the fourth cycle under the Revised Accreditation Framework (RAF) and the first college in Karnataka to do so. The college was declared as a 'College with Potential for Excellence' in the year 2010. In 2011 SJCC was recognized as a Research Centre by Bangalore University. The college has been ranked 74th in the National Institutional Ranking Framework (NIRF) ratings of Ministry of Education, Government of India, in 2021 and it has been the only institution from Karnataka to make it consistently to the top 100 in the country.

The college offers diverse programmes in Commerce, Business Administration, Economics and English. Under Commerce Studies it offers B. Com, B.Com (Professional- International Accounting and Finance), B.Com (BPS- Industry Integrated), B.Com (Travel and Tourism), B.Com (Analytics), B.Com (Professional - Strategic Finance), M.Com (Finance & Taxation/ Marketing & Analytics), M.Com (International Business) & M.Com (Financial Analysis). Under Business Administration it offers BBA, BBA (Entrepreneurship) and BBA (Professional- Finance and Accountancy). The college also offers six one-year Post Graduate Diploma programmes. The College offers a B.Sc (Economics) Honours Programme and a B.A (English) Honours Programme.

THE DEPARTMENT OF ECONOMICS

The Department of Economics offers B.Sc (Economics) Honours. This Department has been started to incorporate the multidisciplinary spirit of the new NEP 2020. The B.Sc (Economics) Honours programme has been designed to provide a cutting edge expertise in mainstream economics with minor (psychology). The programme aims to develop analytical, creative and critical thinking skills for problem solving and decision making. It aims at better understanding of social, economic, psychological and political issues and also explores the full spectrum of finance. The transferable skills attained through the B.Sc (Economics) Honours are highly sought after by employers and increase the employability quotient of students in various dynamic fields. A student could be an economist, a government advisor, financial consultant, econometrician, banker and also look forward to different government positions after successful completion of the programme. Keeping in view the new NEP, the programme is multidisciplinary in nature and integrates different fields like Psychology, Finance, Mathematics, Statistics, Operations Research, History, Politics, Environmental Studies, Model Building with an inbuilt local as well as global perspective.

New elements such as internship, case studies, seminars and research projects enhance deeper understanding of the practical applications of the programme. So, join in to embark on a whole new adventure with us. The Bachelor's degree honours programme in Economics is a full-time undergraduate programme of 4 years that aims at providing a programme structure which would retain the 'traditionals' in the programme and

equip the students with business acumen necessary to succeed in the professional world. On completion of B.Sc. (Economics) Honours at SJCC, students will acquire comprehensive knowledge of how the economic principles are applied in the society, family, government and private sector, business, and science.

SALIENT FEATURES OF FOUR YEARS B.Sc ECONOMICS HONOURS PROGRAMME WITH MULTIPLE ENTRY AND EXIT OPTIONS:

1. The regulations governing The Four-Year B.Sc (Economics) Honours Programme with Multiple Entry and Exit Options shall be applicable with effect from the Academic year 2022-2023.
2. The B.Sc (Economics) Honours Programme shall be structured in a semester mode with multiple exit options;

Certificate	On the completion of **First year** *(two semesters)*
Diploma	On the completion of **Second year** *(four semesters)*
Basic Bachelor Degree	On the completion of **Third year** *(six semesters)*
Bachelor Degree with Honours	On the completion of **Fourth year** *(eight semesters)*

3. The four-year undergraduate honours degree holders with research component and a suitable grade are eligible to enter the ***Doctoral Programme*** in a relevant discipline.
4. The students who exit with Certification, Diploma and Basic Bachelor Degree shall be eligible to re-enter the programme at the exit level to complete the programme or to complete the next level.
5. The Four-year B.Sc (Economics) Honours Programme offers a wide range of multidisciplinary courses with exposure to other disciplines, specializations and areas. The programme aptly caters to knowledge, ability, vocational, professional and skill

enhancement along with focus on humanities, arts, commerce, management, social, physical and life sciences, mathematics, sports etc.

6. Four years B.Sc (Economics) Honours Programme combines conceptual understanding with practical engagement through lab courses, national and international field visits, internship, conferences, workshops, seminars, case study analysis, group discussions and research projects.
7. A wide range of Skill Enhancement Courses are offered in the first four semesters to enhance language and communication, logical reasoning, critical thinking, problem solving, data analytics and life skills.
8. In each of the first four semester students will have an option of studying a course from other disciplines. Students will be given an option to choose from a pool of Open Elective Courses that provide exposure to multiple disciplines and thereby making the programme truly multi-disciplinary.
9. The students can make a choice of two ***specializations/ electives*** in the fifth and sixth semester and choose one of the specialization/elective in the seventh semester to pursue Honor's degree in that specialization/electives.

I. ELIGIBILITY FOR ADMISSION

Candidates who have completed the Two-year Pre-university course of Karnataka State or its equivalent are eligible for admission into this Programme.

II. DURATION OF THE PROGRAMME

The duration of the undergraduate honours programme is ***four-years*** (eight semesters) with multiple entry and exit options, within this period. The students can exit after the completion of ***one*** academic year (Two semesters) with the ***Certificate*** in a discipline; ***Diploma*** after the study of ***two*** academic years (Four Semesters) and ***Basic Bachelor Degree*** after the completion of ***three*** academic years (Six Semesters). The successful completion of ***Four Years*** undergraduate Programme would lead to ***Bachelor***

Degree with Honours in a discipline.

III. MEDIUM OF INSTRUCTION

The medium of instruction shall be English.

IV. ATTENDANCE:

a. A student shall be considered to have satisfied the requirement of attendance for the semester, if he/she has attended not less than 75% in aggregate of the number of working periods in each of the courses compulsorily.

b. A student who fails to complete the course in the manner stated above shall not be permitted to take the end semester examination.

V. SUBJECTS OF STUDY: THE COMPONENTS OF CURRICULUM FOR FOUR-YEARS MULTIDISCIPLINARY UNDERGRADUATE BSC. ECONOMICS HONOURS PROGRAMME

The category of courses and their descriptions are given in the following table.

Category of courses	**Objective/ Outcomes**
Languages	Language courses equip students with communication skills, critical and creative thinking, familiarity with issues pertaining to society and culture and skills of expression and articulation. They also provide students with a foundation for learning other courses.
Ability Enhancement Courses	Ability enhancement courses are the generic skill courses that enable students to develop a deeper sense of commitment to oneself and to the society and nation largely.
Skill Enhancement	Skill Enhancement Courses enhance skills

Courses	pertaining to a particular field of study to increase their employability/ Self-employment. These courses may be chosen from a pool of courses designed to provide value-based and/or skill-based knowledge.
Vocational Enhancement courses	Vocational Enhancement courses enhance skills pertaining to a particular field of study to increase their employability/ Self-employment.
Foundation/ Discipline based Introductory Courses	These courses will supplement in a better understanding of how to apply the knowledge gained in classrooms to societal issues.
Major Discipline Core Courses	Major Discipline Core Courses aim to cover the basics that a student is expected to imbibe in that particular discipline. They provide fundamental knowledge and expertise to produce competent, creative graduates with a strong scientific, technical and academic acumen.
Major Discipline Elective Courses	These courses provide more depth within the discipline itself or within a component of the discipline and provide advanced knowledge and expertise in an area of the discipline.
Open or Generic Elective Courses	Open or Generic Elective Courses are courses chosen from an unrelated discipline/ subject, with an intention to seek exposure beyond discipline/s of choice.
Project work/ Dissertation/ Internship/ Entrepreneurship	Students shall carry out project work on his/her own with an advisory support by a faculty member to produce a dissertation/ project report. Internship/ Entrepreneurship shall be an integral part of the Curriculum.
Extension Activities	As part of the objective of Social Concern, the College has designed a well-structured Community Outreach programme of sixty

	hours called 'Bembala' (Support). The programme includes rural camps, workshops, lectures and seminars, teaching programmes in Government Schools or Colleges, community service in slums and villages, awareness programmes in streets, localities, slums or villages and public rallies on social issues. The College expects the students to be part of the activities organized by the College towards securing the goal of Social Concern. This programme is mandatory for the award of degree from the college.
Extra/Co-Curricular Activities	The College has a wide range of student associations and clubs that provide space for students to develop their creative talents. The activities conducted help in developing not just the artistic and entrepreneurial talents but also helps in character building, spiritual growth, physical growth, etc. They facilitate development of various domains of mind and personality such as intellectual, emotional, social, moral and aesthetic developments. Creativity, enthusiasm, and positive thinking are some of the facets of personality development and the outcomes of these activities.

VI. CREDIT REQUIREMENT

Credits represent the weightage of a course and are a function of teaching, learning and evaluation strategies such as the number of contact hours, the course content, teaching methodology, learning expectations, maximum marks etc.

VII. TEACHING AND EVALUATION

M.A/M.Sc graduates with Economics and Psychology as basic degree from a recognized university are only eligible to teach and to evaluate the courses including part – B courses of I and II semesters (except languages, compulsory additional courses and core Information Technology related courses) mentioned in this regulation. Languages and additional courses shall be taught by the graduates as recognized by the respective board of studies.

VIII. EXAMINATION & EVALUATION:

CONTINUOUS FORMATIVE EVALUATION/ INTERNAL ASSESSMENT:

Total marks for each course shall be based on continuous assessment and semester end examinations. As per the decision taken at the Karnataka State Higher Education Council, the total marks for CIA and ESE as per NEP for will be 40:60.

TOTAL MARKS FOR EACH COURSE	100%
Continuous Internal Assessment –CIA 1	20% marks
Continuous Internal Assessment –CIA 2	20% marks
End Semester Examination - (ESE)	60% marks

EVALUATION PROCESS OF INTERNAL ASSESSMENT MARKS SHALL BE AS FOLLOWS.

a. The first component (CIA 1) of assessment is for 20% marks. The second component (CIA 2) of assessment is for 20% marks.
b. During the end of the semester, end semester examination shall be conducted by the college for each course. This forms the third

and final component of assessment (C3) and the maximum marks for the final component will be 60%.

c. The students shall be informed about the modalities well in advance. The evaluated assignments during component I (CIA 1) and component II (CIA 2) are immediately provided to the students.
d. The marks of the total internal assessment shall be published on the ERP for students at the end of semester.
e. The internal assessment marks shall be submitted to the COE as per the date mentioned.
f. There shall be no minimum marks in respect of the internal assessment marks.
g. Internal assessment marks may be recorded separately. A student who has failed, shall retain the internal assessment marks as there will be no change in the CIA results scored.

MINIMUM FOR A PASS

a. A student needs to get 40% in the end semester examination and in addition the student also should get an aggregate of overall 40% inclusive of his internal assessment to be declared as passed.
b. The student who is passed in all the end semester examinations in the first attempt is eligible for rank
c. A student who passes the semester examinations in parts or attempted supplementary exams is eligible for only Class, CGPA but not for ranking.
d. The results of students who have passed the last semester examinations but not passed the lower semester examinations shall be eligible for the degree only after completion of all the lower semester examinations.
e. If a student fails in a subject, either in theory or practical's he/she shall appear for that subject only at any subsequent regular examination, as prescribed for completing the programme. He/she must obtain the minimum marks for a pass in that subject (theory and practical's separately) as stated above.

CARRY OVER

Students who fail in lower semester examinations may go to the higher semesters and take the lower semester examinations as per odd or even semester in the next consecutive chance.

CLASSIFICATION OF SUCCESSFUL CANDIDATES:

The ten-point grading system is adopted. The declaration of result is based on the Semester Grade Point Average (SGPA) earned towards the end of each semester or the Cumulative Grade Point Average (CGPA) earned towards the completion of all the eight semesters of the programmes and the corresponding overall grades. If some students exit at the completion of the first, second or third year of the four years Undergraduate Programmes, with Certificate, Diploma or the Basic Degree, respectively, then the results of successful candidates at the end of second, fourth or sixth semesters shall also be classified on the basis of the cumulative Grade Point Average (CGPA) obtained in the two, four, six or eight semesters, respectively. For award of,

- Certificate
- Diploma
- Basic Bachelor's Degree
- Bachelor's Degree with Honours

TRANSFER FOR ADMISSION:

Transfer for admission are permissible only for odd semesters for students of other universities and within the university.

CONDITIONS FOR TRANSFER OF ADMISSION OF STUDENTS WITHIN THE UNIVERSITY.

a. His/ her transfer admission shall be within the intake permitted to the college.
b. Availability of same combination of subjects studied in the previous college.
c. He/she shall fulfill the attendance requirements as per the University Regulation.
d. He/she shall complete the programme as per the regulation governing the maximum duration of completing the programme.

CONDITIONS FOR TRANSFER ADMISSION OF STUDENTS OF OTHER

UNIVERSITIES.

a. A Student migrating from any other University may be permitted to join odd semester of the degree programme provided he/she has passed all the subjects of previous semesters/years as the case may be. Such candidates must satisfy all other conditions of eligibility stipulated in the regulations of the University.
b. His/her transfer admission shall be within the intake permitted to the college.
c. He/she shall fulfill the attendance requirements as per the University Regulation.
d. The student who is migrating from other Universities is eligible for overall SGPA/CGPA or Class and not for ranking.
e. He/she shall complete the programme as per the regulation governing the maximum duration of completing the programme as per this regulation.

B.Sc Economics Programme Matrix

As per the recommendations of the Karnataka Task Force and the Subject Expert Committee for Model Curriculum Framework (A3)

Course Category /Semesters	I	II	III	IV	V	VI	VII	VIII	Total Credits
PART A: LANGUAGES & COMPULSORY COURSES									
Language 1 4 Hrs/3 Cr	Language 1 (3 Cr)	Language 1 (3 Cr)	Language 1 (3 Cr)	Language 1 (3 Cr)	-	-	-	-	24
Language 2 4 Hrs/3 Cr	Language 2 (3 Cr)	Language 2 (3 Cr)	Language 2 (3 Cr)	Language 2 (3 Cr)	-	-	-	-	
Compulsory Courses (2Hrs/2Cr)		Environmental Studies (2Cr)		Indian Constitution (2Cr)					4
PART B: CORE & ELECTIVE COURSES, SEC-SB, VOCATIONAL COURSES, RESEARCH & INTERNSHIP									
Discipline Specific Core Courses: Economics (4Hrs/ 4Cr or 3 Cr)	Microeconomics (3 Cr)	Macroeconomics (3 Cr)	Factor Pricing & Welfare Economics (3 Cr)	Monetary Economics (3 Cr)	Public Economics (4 Cr)	Economics of Growth and Development (4 Cr)	Advanced Micro Economics (4 Cr)	Advanced Macro Economics (3 Cr)	61
	Mathematics for Economics (3 Cr)	Statistics for Economics (3 Cr)	Basic Econometrics (3 Cr)	Time Series Economics (3 Cr)	International Economics (4 Cr)	Indian Economy (4 Cr)	Financial Economics (4 Cr)	Economics & Business Analytics (3 Cr)	
							Computer Applications in Economics (4 Cr)	Literary Theory (3 Cr)	
Psychology (Minor)	PSY – 1 (4+2)	PSY– 2 (4+2)	PSY – 3 (4+2)	PSY – 4 (4+2)	PSY – 5 (3+2)	PSY – 6 (3+2)			34
Open Elective Courses (3Hrs/3Cr)	Choice of Course (3 Cr)	Choice of Course (3 Cr)	Choice of Course (3 Cr)	Choice of Course (3 Cr)	-	-	-	-	12
Discipline Specific Elective (4 rs/3Cr)	-	-	-	-	Elective 1 (3 Cr)	Elective 2 (3 Cr)	Elective 3 (3 Cr)	Elective 4 (3 Cr)	12
Skill Enhancement Courses- Skill Based (1Hr./2 Cr)	Digital Fluency (2 Cr)		Choice of Course (2 Cr)		Choice of Course (2 Cr)	Choice of Course (2 Cr)	-	-	8
Vocational Enhancement Courses (3 Hrs/3Cr)	-	-	-	-	Choice of Course (3 Cr)	Choice of Course (3 Cr)	Choice of Course (3 Cr)	Choice of Course (3 Cr)	12
Research Methodology (4hrs/3 Cr)							Research Methodology (3 Cr)	-	3
Research Project/ Internship (6 Cr)/Additional Electives (4Hrs/3Cr)	-	-	-	-	-	Internship (2 Cr)	-	Research Project/ Internship /Additional Electives (6 Cr)	8
PART C: SKILL ENHANCEMENT COURSES- VALUE BASED									
Foundation Courses (2Cr)	Psychological Well-being (2Cr)		-				-	-	2
Extension and Extra-Curricular Activities	-	Extension & Extra-Curricular Activities (2Cr)	Extension & Extra-Curricular Activities (2Cr)	Extension & Extra-Curricular Activities (2Cr)	Extension & Extra-Curricular Activities (2Cr)	Extension & Extra-Curricular Activities (2Cr)	-	-	10
Total Crs.	25	25	25	25	23	25	21	21	190

Course Matrix for B.Sc. Economics (Honours) Programme

Semester I

SL. No.	Course Code	Title of the Course	Category of Course	Teaching Hour per Week (L+T+P)	ESE	CIA	Total Marks	Credits
1	**Language 1**		AECC	3+1+0	60	40	100	3
	S1 22 KN 101	Kannada						
	S1 22 HN101	Hindi						
	S1 22 AE 101	Additional English						
2	**Language 2**		AECC	3+1+0	60	40	100	3
	S1 22 GE 101	General English						
3	S1 22 DC 101	Microeconomics	DSC-1	3+0+0	60	40	100	3
4	S1 22 DC 102	Mathematics for Economics	DSC-2	3+0+0	60	40	100	3
5	S1 22 MN 101	Foundations of Psychology (Theory)	MDC -1	4+0+2	60	40	100	4
	S1 22 MNP 101	Foundations of Psychology (Practical)			25	25	50	2
6		Open Electives*	OEC-1	3+0+0	60	40	100	3
7	A1 22 SB 101	Digital Fluency	SEC-SB	1+ 0+2	25	25	50	2
8	UG 22 FC 101	Psychological Wellbeing	SEC-VB	1+0+2	-	50	50	2
TOTAL					**410**	**340**	**750**	**25**

Semester II

SL. No.	Course Code	Title of the Course	Category of Course	Teaching Hour per Week (L+T+P)	ESE	CIA	Total Marks	Credits
1	**Language 1**		AECC	3+1+0	60	40	100	3
	S1 22 KN 201	Kannada						
	S1 22 HN 201	Hindi						
	S1 22 AE 201	Additional English						
2	**Language 2**		AECC	3+1+0	60	40	100	3
	S1 22 GE 201	General English						
3	UG 22 CC 201	Environmental Studies	AECC	1+1+0	25	25	50	2
4	S1 22 DC 201	Macroeconomics	DSC-3	3+0+0	60	40	100	3
5	S1 22 DC 202	Statistics for Economics	DSC- 4	3+0+0	60	40	100	3
6	S1 22 MN 201	Foundations of Behaviour (Theory)	MDC-2	4+0+2	60	40	100	4
	S1 22 MNP201	Foundations of Behaviour (Practical)			25	25	50	2
7		Open Electives*	OEC-1	3+0+0	60	40	100	3
8	UG 22 EA 201	Extension Activities	SEC-VB	0+ 0+2	-	25	25	1
9	UG 22 EC 201	Extra-Curricular Activities	SEC-VB	0+0+2	-	25	25	1
TOTAL					**410**	**340**	**750**	**25**

*Students will choose from a pool of courses offered by other departments.

SEMESTER 1

S1 22 DC 101: MICROECONOMICS

COURSE OBJECTIVES

The course is designed to acquaint the students with the basic concepts of microeconomics which forms the base of modern economics. The course with help the student understand the functioning of the economy at the individual level.

Module 1 – Introduction to Economics

5 hrs

Introduction to Economics: Nature and scope of economics, Basic Concepts in economics, Importance of study of Economics, Understanding the economy, Mankiw's ten principles of economics

Module 2 – Approaches to Consumer Behaviour 10 hrs

Cardinal Analysis: Utility: Law of diminishing marginal utility, equi marginal utility, consumer's equilibrium, Consumer surplus and its – application.

Ordinal analysis: Meaning of Indifference curves - Indifference Schedule, Indifference Map, properties of Indifference curves Budget line - Equilibrium position, Income, Price, and substitution effects -inferior goods v/s Giffen goods, Samuelson's revealed preference theory.

Module 3 - Demand Analysis

10 hrs

Meaning and Determinants of Demand, the Demand Schedule, The Law of Demand, Exceptions to the Law of Demand, Elasticity of Demand: Meaning-Types: Price, Income and Cross Elasticity, Measurement of Elasticity of Demand

Supply: Concept of Supply, the Law of Supply, and Determinants of Supply.

Module 4 – Production Analysis 5 Hrs

Production Function Production Function - The Law of Variable Proportion - the Law of Returns to Scale - Least cost combination of Inputs

Module 5 – Cost Analysis 5 hrs

Cost Concepts, Cost output relationship in the short - run and long - run – Relationship between Short run and long run curves, Relationship between Average Cost and Marginal Cost

Module 6 – Market Competition **10 hrs**

Concepts of Revenue: Total, Average and Marginal Revenue Curve - Price and Output determination under different market: Meaning and features of perfect competitive market, Monopoly, Monopolistic competition and oligopoly, Price and Output determination under these markets

SKILL DEVELOPMENT

(These activities are only indicative and the Faculty member can innovate)

1. Understand how economic concepts are applicable to everyday life by taking live examples.
2. Conduct a small survey to understand how consumer behaviour has evolved during the pandemic.
3. Choose a particular firm or industry and study the demand forecasting techniques.
4. Analyse different companies and identify which market competition they fall into.
5. Study the price fluctuations in the market due to changes in demand and supply.

COURSE OUTCOMES:

After the completion of the course, students will be able to:

1. Analyse the economic behaviour of the consumer and the firm
2. Explain the relationship between various variables such as Input and output, cost and output, price of the product and quantity demand and so on
3. Product and Factor pricing under different market structure

Books for Reference

1. *Ahuja H.L (2017) Advanced Economic Theory, S. Chand and Company, New Delhi*
2. *Koutsoyiannis A, (2008) Modern Microeconomics, Macmillan, London*
3. *Dominick Salvatore (2002) Theory and Problems of Microeconomic Theory, Schaum's Outline Series, McGraw-Hill Book Company, Singapore*
4. *Ferguson C.E and Maurice S. Charles, (1978) Economic Analysis-Theory and Applications, Richard D. Irwin Inc. USA*
5. *Hubbard R. Glenn and Anthony Patrick OBrien, (2016) Microeconomics, Pearson Prentice Hall, New Jersey*

6. *Pindyck Robert S., and Daniel L. Rubinfeld, (2012) Microeconomics, Pearson Prentice Hall, New Jersey*
7. *Varian, H. R., "Intermediate Microeconomics: A Modern Approach", W. W. Norton and Company, 8th Edition, 2010*

SEMESTER I

S1 22 DC 102: Mathematics for Economics

Course Objectives:

The objective of this course is to make students understand the basic concepts of mathematical economics, operations used in matrix algebra, concept of differential and integral calculus and their importance in solving economic problems, and constrained and unconstrained optimization problems seen in economics. Understand and solve the differential equations governing economic problems.

Module – 1: Basics of Mathematical Economics 9 hrs

Basics of Mathematical Economics: Nature of Mathematical Economics and its applications in Economic Analysis - Mathematical Model: Variables, Constants, Parameters, Equations, and Identities. Sets: Set Notation, Finite and Infinite Sets, Operations, Laws of Set Operations. Relations and Functions: Ordered Pairs, Relations and Functions – Meaning, and Types of Functions - Constant Function, Polynomial Functions, Rational Functions and Non - Algebraic Functions.

Module – 2: Vectors, Matrices and their Applications 6 hrs

Simultaneous Equations – Vectors - Vector Spaces, Linear Dependence. Matrix Operations- Addition and Subtraction, Matrix Multiplication, Commutative, Associative and Distributive Laws - Transpose – Determinants: Properties, Rank of Matrix, Minors, Co-factors - Inverse Matrix - Cramer's Rule, Derivation, and its Applications in Economics

Module – 3: Comparative Statics and Differential Calculus 10 hrs

Nature of Comparative Statics, Rate of change and the Derivative - The concept of Limit & Limit theorems. Continuity and Differentiability of a Function – Rules of Differentiation of a Function -Constant Functions, Linear, Power, Sums and Differences of Functions, Product of Functions, Quotient of Functions, Chain Rule, Exponential and Logarithmic Functions.

Functions of two or more independent variables - Partial Derivatives, Higher Order Partial Derivatives, Chain Rule, and Total Derivative - Maxima and Minima – One and two variables

Module – 4: Integral Calculus **10 hrs**

Concept of Integration - Area and Summation -Definite Integrals - Indefinite Integration- Rules of Integration. Applications of Integration in Economic Analysis - Consumers Surplus, Producer's Surplus - Obtaining Primitive Function from Marginal Function

Module – 5: Optimization Techniques **5 hrs**

Concept of Optimisation - Unconstrained Optimization - Lagrangian Multiplier, Constrained Optimization

Module – 6: Differential Equations **5 hrs**

Differential Equations - First Order Linear Differential Equations - First Order Non-Linear Differential Equations- Second Order Linear Differential Equations

SKILL DEVELOPMENT

1. Visualization of solution or roots of algebraic functions and discussion of nature of the roots
2. Solving system of linear equations having unique solution through python
3. Visualisation of maxima and minima of single and multivariable functions(optimization) through function plotting softwares.
4. Finding Derivative and Integral value of a function using direct inbuilt functions in python

COURSE OUTCOMES:

After the completion of the course, students will be able to:

1. Understand the basic concepts of Mathematical Economics
2. Perform basic operations in vectors and matrix algebra.
3. Calculate limits and derivatives of functions of multiple variables.
4. Calculate integrals of functions of multiple variables.
5. Calculate optima for constrained and unconstrained optimization encountered in economics.
6. Solve differential equations governing economic problems using different methods.

Books for Reference

1. *Allen R.G.D., (2015) Mathematical Analysis for Economists, Macmillan*

2. *Bose D., (2003) An Introduction of Mathematical Economics, Himalaya Publishing House, Mumbai*
3. *Sydsaeter, K and Hammond, P., Mathematics for Economic Analysis, Pearson Educational Asia, 4th Edition, 2002*
4. *Dowling, E. T., "Introduction to Mathematical Economics", McGraw-Hill, 2001*
5. *Hoy, M., Livernois, J. McKenna, C, Rees, R. and Stengos, T., "Mathematics for Economics", MIT Press, 3rd Edition, 2011*
6. *Yamane Taro, (2002) Mathematics for Economists - An Implementer Analysis, Phi Learning Publishers*
7. *Chiang, A. C. and Wainwright, K., "Fundamental Methods of Mathematical Economics", McGraw-Hill/Irwin, 4th Edition, 2005*

SEMESTER I

S1 22 MN 101: FOUNDATIONS OF PSYCHOLOGY WITH PRACTICAL

Course Objectives

1. Understand the genesis of Psychology and its importance.
2. Explain fundamental concepts in Psychology.
3. Understand the biological basis of behavior.
4. Understand the applications of Psychology in various fields.

Module-1: Genesis and Goals of Psychology **10 hours**

- Psychology: Emergence and development; definition and goals of Psychology – understanding, describing, predicting and control of behavior.
- Key Perspectives: Psychodynamic, Behavioral, Humanistic, Biological and Cognitive approaches to psychology.
- Branches of Psychology: General, Bio–Physiological, Social, Child, Developmental, Abnormal and Cognitive Psychology.
- Psychology as Applied Science: Introspection, observation, experimental, clinical and questionnaire method.

Module – 2: Biology and Behaviour **12 hours**

- Neuron: Structure and functions; neural impulse; synapse and neurotransmitters.
- Nervous system: Structure and functions of the central nervous system and peripheral nervous system.
- Methods of studying brain functions: Invasion, lesion, ablation, chemical and stimulation method
- Endocrine system: Functions and effects – pituitary gland, thyroid, parathyroid, adrenal glands and gonads.

Module-3: Sensation, Attention and Perception **13 hours**

- Sensation: Definition and characteristics.
- Types of senses and receptors involved in each sensation.
- Attention: Meaning and phenomena (span of attention, division of attention, fluctuation and distraction), determinants: objective and subjective.
- Perception: Meaning and characteristics, Gestalt laws of perceptual organization.
- Depth Perception: Meaning, perceptual constancies, monocular and

binocular cues.

- Errors in Perception:

a) Illusion - Types - Horizontal-Vertical, Muller Lyer and Illusion of Movement.

b) Hallucination- Visual, Auditory and Tactile

Module-4: Learning **13 hours**

- Introduction: Definition, factors influencing learning - motivation, reinforcement and association.
- Types of Learning: Trial and error learning - experiment and laws; classical conditioning: extinction, spontaneous recovery, generalization, discrimination, higher order conditioning.
- Operant Conditioning: Experiment (experiment on pigeons), reinforcement, schedules of reinforcement, shaping and chaining.
- Cognitive Learning: Insightful (Kohler) and observational (Bandura).

Module – 5: Memory and Forgetting **12 hours**

- Memory: Basic processes – encoding, storage and retrieval.
- Types of Memory: Sensory memory, short-term memory, long-term memory, working memory, semantic memory, autobiographical memory and flashbulb memory.
- Techniques to Improve Memory: Mnemonics, chunking, SQ3R (Survey, Question, Read, Recite and Review).
- Forgetting: Nature and causes of forgetting.

SKILL DEVELOPMENT

(These activities are only indicative. The faculty member can innovate.)

1. Identify an organization or individual who works in any of the fields of psychology (cognitive psychology, child psychology, social psychology, etc.). Interview them about their field, their role and the scope of this field as a career. Make a report on your findings.
2. Choose any one type of learning (trial and error, classical conditioning, operant conditioning) and identify experiences where this may be used in everyday life. Make a chart describing how these principles are used in the experience you have chosen.
3. Choose a famous Indian psychologist. Describe and critically evaluate their contributions to the development of Psychology in India.
4. Choose any early psychological experiment and describe its contribution to furthering our understanding of psychological concepts and phenomena. Critically evaluate the method of the experiment, with a

specific focus on the ethical principles of conducting psychological research.

COURSE OUTCOMES

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

1. Understand and evaluate the applications and approaches to psychology.
2. Explain the biological basis of behavior.
3. Analyse and apply fundamental concepts in psychology.

Books for Reference:

1. *Robert Feldman (2011) Essential of Understanding Psychology 10th Edition, ISBN-13- 9781259003059/ISBN–10–1259003051*
2. *Morgan, C. T., King, R. A., Weiss, J. R. and Schopler, J. (2012). (Latest Edition).Introduction to Psychology. Tata McGraw Hill Education Pvt. New Delhi*
3. *Nataraj, P. (latest edition): Psychology for Beginners. Mysore :Srinivas publication*
4. *Parameshwaran, E. G., & Beena, C. (2010): An Invitation to Psychology, Neelkamal Pvt. Hyderabad*
5. *Mangal S.K.(2000) General Psychology. New Delhi: Sterling Publishers Pvt. Ltd.*
6. *Shashi Jain (Latest edition). Introduction to Psychology. New Delhi: Kalyani Publishers.*
7. *Rajamanickam, M. (2008). Modern General Psychology. Vol 1 & 2. Concept Publisher. New Delhi.*

S1 22 MNP 101PRACTICALS

(Minimum 8 Practical to be conducted) 30 hours

1. Directed Observation on the accuracy of report
2. Colour blindness
3. Localisation of sound
4. Mapping of colour zones
5. Set on Attention
6. Bilateral transfer oftraining
7. Muller-Lyer Illusion
8. Illusion of movement (Phi-Phenomena)
9. Meaning on retention
10. Retroactive Inhibition
11. Proactive Inhibition
12. Span of attention

Statistics

1. Grouping of Data: Tabulation and frequency distribution
2. Measures of Central tendency: Mean and Median for Grouped and Ungrouped data.

SEMESTER –I

M1 22 SB 101: DIGITAL FLUENCY

COURSE OBJECTIVES

The course is designed to familiarize the students with the fluency required for comprehending a digital environment and building essential cognitive and affective domain skills beyond technology.

Module 1: Operating Systems **10 Hours**

Operating Systems, types of operating systems, major functions of the operating systems, types of riser interface, examples of operating systems: MS-DOS, Windows, Mac OS. Linux, Solaris, Android. Office automation tools: word processor, power point, and spread sheet.

Module 2: Computer Networks **10 Hours**

Introduction to Computer Networks, Evolution of Networking, types of networks, Network devices - Modem, Ethernet card, RJ45, Repeater, Hub, Switch, Router, and Gateways, Identification of Nodes in a Network Communication, Internet, Web and the Internet of Things, Domain Name Systems. Security Aspects- Threats and Prevention, Malware - virus, Worms, Ransomware, Trojan, spyware, adware, key loggers, Modes of Malware distribution, Antivirus, HTTP vs HTTPS Firewall, Cookies, Hackers and Crackers

Module 3: Database Management System **10 Hours**

Database Management Systems, Relational Data Model. Introduction to e-learning platforms such as Swayam, and MOOC, Virtual Meet: Technical Requirements, Scheduling a meeting, joining virtual meet, recording the meeting, On line Forms: Creating questionnaire, Publishing questionnaire, conducting online responses, Analysing the responses, copying graphics into Powerpoint, Downloading the response to spreadsheet. Introduction to societal impacts, Digital Foot prints, Digital Society and Netizen, Data Protection, E-waste, Impact on Health.

Skill Development:

1. Identifying the configuration of a computer system, laptop, and a mobile phone
2. Identifying the version and the configuration of the operating system of a computer, laptop, and a mobile phone

3. Identifying the network components like patch cord, switch, RJ 45 Jack, Socket and wireless router, creating a hotspot from a mobile phone, and allowing others to use the hotspot, creating a Google form, and send it to five users, scheduling a virtual meet and invite three people to join the Google meet, record the virtual Meet
4. Creating an account in the Railway reservation website, IRCTC, and finding trains from Tumkur to Hubli, creating a one minute video of your choice in your native tongue, and upload the video to YouTube, composing word document.
5. Creating tables, creating tables, preparing power point slides, simple computation using spread sheet

COURSE OUTCOMES:

After completion of the course, the students will be able to:

1. Explain the type of emerging technologies and potential cyber- attacks in the world of digital
2. Evaluate the relevance and applicability of Artificial Intelligence, Big Data Analytics, Internet of Things and Cloud Computing on specific operations citing a example for the same
3. Justify the building of Essential Skills beyond Technology that goes well with adoption the Technology

Books for reference:

1. *Volker Lang, Digital Fluency: Understanding the basics of Artificial Intelligence, Block chain technology, Quantum Computing and their applications for Digital Transformation, 1st Edition, Apress Publications, 2021*
2. *S. B. Ramoshi and S.P. Sajjan, Digital Fluency, 1st Edition, Karnataka, Ekalavya E-educate, 2021.*
3. *Eric Downey, Fundamentals, Applications and Emerging Technologies, Createspace Independent Publications, 2017*
4. *Chris Hackett, The Big Book of Maker Skills (Popular Science): Tools & Techniques for Building Great Tech Projects Flexi bound, Weldon Owen, Illustrated edition, 2014*

SEMESTER –I

UG 21 FC 101: PSYCHOLOGICAL WELL-BEING

Course Objectives:

This course aims to nurture self-awareness that leads to the development their emotional quotient and inter-personal skills.

Module 1 – Introduction **3 hours**

Meaning of counseling – Myths and Facts related to counseling – Breaking stigmas related to seeking counselling – Normalizing seeking help – Self-reflection through concentric circles

Module 2 – Intra-personal and Inter-personal Awareness **10 hours**

Meaning of self-esteem – Factors that influence self-esteem – Importance of self-esteem – Effects of low self-esteem – Qualities seen in people with high vs. low self-esteem – How to improve self-esteem – Self-awareness activity

Meaning of peer pressure – Different kinds of peer pressure – Resisting peer pressure – Confronting peer pressure – Group sharing activity Meaning of relationships – Types of relationships – Healthy relationship dynamics – Personal Rights in a relationship – Components of a healthy relationship – Types of abuse in a relationship – Intimacy and understanding our needs – Boundaries

Module 3 – Understanding Emotions **4 hours**

Meaning of emotions – Role of emotions in our lives – Beliefs regarding emotions – Harmful effects of suppressing emotions – Signs of emotional suppression – Handling emotions in a healthy manner – Self-assessment activity

Module 4 – Anger management **5 hours**

Meaning of anger – Physical and Emotional symptoms of anger – Different ways that people express anger – Expression and experience of anger – What makes us angry and what it means when we're angry – Dealing with anger – Guided visualization and art activity

Module 5 – Managing Anxiety/Fear **4 hours**

Meaning of fear – Types of fear – Physical and Emotional symptoms of fear – Different reactions to fear – Overcoming fear – Art work followed by group sharing activity

Module 6 – Dealing with Loss and Grief **4 hours**

Understanding loss and grief – Form of loss – Stages of grief – Dangers of not grieving – Dealing with grief – Ways to help others in grief

Course Outcomes:

1. The student is more self-aware and able to develop more meaningful relationships.
2. The emotional quotient of the student is increased.
3. An improvement in the inter-personal skills is seen along with a better understanding of self.

Semester II

S1 22 DC 201: Macroeconomics

Course Objectives:

The objective of this course is to explore and understand basic concepts related to National Income. The course will also help familiarize the students with the Keynesian Theory of Income and Employment. Further, the course entails understanding different polices and debates under macroeconomics.

Module - 1: Introduction to Macroeconomics: 3 hours

Nature of Macroeconomics and its significance, Indicators of Macro Economic Activity - Key Concepts: Stock and flow variables.

Module - 2: Building blocks of Macroeconomic Analysis: 7 hours

Aggregate Demand (AD) curve, Aggregate Supply (AS) curve, Sources of shift in AD an AS, Equilibrium in National Income and Price level, Unemployment and National Income, Inflation and Unemployment, Circular flow of Income, Goods market and Money Market .

Module - 3: National Income Accounting: 12 hours

Measurement of Macro Variables and Economic Performance: National Income Accounting - Important Concepts: GNP, GDP, NNP, NDP, NI, PI, DPI- Real GDP versus Nominal GDP - GDP deflator - Method of estimating National Income - Expenditure Method- Income method - Value added or Net Product method - Difficulties in National Income Accounting - Trends in GDP in India - GNP and Quality of Life - Net Economic Welfare - Green Income

Module - 4: Classical Theory: 13 hours

Introduction to classical theory of employment - Basic Assumptions of the Classical School - Say's law of Market - Determinants of Output, Employment, Savings, Investment, Wages, Prices, Interest Rate - Equilibrium Output and Employment-Implications of Classical Full Employment Model - Critical Evaluation

Module – 5: Keynesian Macroeconomics: 5 hours

Principle of effective demand - Keynesian theory of output, income and

employment - Equilibrium Income and Output in Simple Two Sector Model, Three Sector & Four Sector Models

Module – 6: Keynes Psychological law of consumption: 5 hours

An Overview of Post Keynesian theories of consumption: absolute income, relative income, permanent income & life cycle hypothesis - Multiplier and Accelerator Analysis - Marginal Efficiency of Capital - Relevance and Critique of Keynesian Macroeconomics

SKILL DEVELOPMENT

1. Segregate different economic indicators into stock and flow components.
2. Conduct a study on the inflationary trends during the last ten years
3. Calculate the different national income estimates from actual data through the online databases.
4. Analyse the relevance of Keynesian theory in modern Indian Economy.

COURSE OUTCOMES:

On successful completion of the course, the student will be able to;

1. Explain the concept of National Income and methods of its estimation
2. Analyse the relationship between Macroeconomic variables
3. Understand the determination of income and employment under Classical and Keynesian framework
4. Familiarise the students with the monetary and fiscal policies and their effectiveness in regulation of the economy.

Books for Reference

1. *Ahuja H L (2013) Macroeconomics: Theory and Policy, S Chand & Company Pvt Ltd. New Delhi*
2. *Mankiw N. Gregory, (2012) Macroeconomics, Worth Publishers, New York*
3. *Shapiro Edward, (2004) Macroeconomic Analysis, Galgotia Publications Pvt. Ltd, New Delhi*
4. *Ackley Gardner, (1978) Macroeconomics: Theory and Policy, Macmillan, New York*
5. *Dornbusch, R., Fischer, S. and Startz, R., "Macroeconomics", McGraw-Hill, 11th Ed 2010*
6. *D'Souza E., "Macroeconomics", Pearson Education, 2009*
7. *Froyen Richard T. (2013) Macroeconomics-Theories and Policies, Macmillan Pub., Company, NY*
8. *Hubbard R. Glenn and Anthony Patrick O'Brien, (2012) Macroeconomics, Pearson Prentice, New Jersey, USA*

9. *Oliver Blanchard, (2016) Macroeconomics, Pearson Prentice Hall, New Jersey, USA*

Semester II

S1 22 DC 202: Statistics for Economics

Course Objectives:

The objective of this course is to explore the nature and scope of statistics with respect to economics explores and gain a basic understanding of various concepts related to statistics. It also explores different tests used for hypothesis testing and their interpretation.

Module – 1: Basics of Statistics for economics 5 Hrs

Why Study Statistics - Importance of Statistics in Economics - Descriptive and Inferential Statistics - Data - Elements, Variables, and Observations, Scales of Measurement - Qualitative and Quantitative Data – Cross - Sectional and Time Series Data - Data sources - Computers and Statistical Analysis

Chapter - 2 Measures of Central Tendency and Dispersion 10 hrs

Arithmetic mean, median, mode, Geometric mean and Harmonic mean measurement and applications in Economics.

Meaning and significance of measure of dispersion -Measurement and applications of Range, quartile deviation, mean deviation, standard deviation, variance and coefficient of variation

Chapter 3: **Correlation, Regression, Time Series Analysis 10 Hrs**

Correlation and Regression: Meaning and types of correlation, methods of computation of correlation coefficient – Karl Pearson's method, Spearman's rank correlation method- Regression–meaning and importance of regression analysis, simple regression lines and equations and forecasting (two variables only)

Time Series: Nature and Decomposition of Time Series - Analysis of Trend - Moving Average Method, Least-Square Method

Chapter - 4 Index Numbers 5 hrs

Nature and Purpose of Index Numbers - Types of Index Numbers: Price Index - Quantity Index, Link and Chain Index - Simple and Aggregate Index Numbers - Laspyre's Index, Paasche's Index, Marshall and Edgeworth's Index - Fisher's Index – Time - Reversal and Factor Reversal Tests-Deflation

and Splicing of Index Numbers - Problems in the Construction of Index Numbers - Limitation of Index Numbers

Module – 5: Introduction to Probability Distributions and Hypothesis Testing **10hrs**

Probability: Basic Concepts- Properties of Probability - Expected Values, Conditional Probability Random Variables: Discrete and Continuous

Probability Distributions - Probability Density Functions and Cumulative Distribution Functions – Expected values and Moments - The Binomial Probability Distribution, Poisson and Normal Distribution

Chapter - 6 Hypothesis Testing **5 Hrs**

Meaning of Hypothesis testing - Null and Alternative hypothesis, level of significance, One - tailed and two - tailed tests, Type I, Type II errors - Approaches to Hypothesis Testing - Confidence Interval Approach - Test of Significance Approach

Skill Development:

(These activities are only indicative; the faculty member can innovate)

1. Correlation and Regression Analysis on Excel/R.
2. Diagrammatic and Graphical representation of data using Excel.
3. Trend Analysis of Stock Market data on Excel/R.
4. Analysis of data by computing standard deviation and coefficient of variation.
5. Research and develop a presentation on the application of probability theory.
6. Apply hypothesis testing concept to rate the movies in your local area.

Course Outcomes:

On Successful completion of the course, the student will be able to;

1. Calculate basic descriptive and inferential statistics.
2. Interpret descriptive and inferential statistics.
3. Explain the process of hypothesis testing

Text Books

1. *Gupta S P. (2012) Statistical Methods, S. Chand and Company, New Delhi*

References

2. *Anderson, Sweeney & Williams, (2002) Statistics for Business & Economics, Thomson South-Western, Bangalore*
3. *Daniel and Terrel: Business Statistics for Management and Economics;*

Hoaghton Mifflin Co., Boston, Toronts, 7th Edition, 1995, PP 1 to 972 + 6 Appendices
4. *Medhi, J., Statistical Methods: An Introductory Text, Wiley, 1992*
5. *Morris H. Degroot and Mark J. Schervish, "Probability and Statistics", 4th edition, 2012*
6. *Teresa Bradley, Essential Statistics for Economics, Business and Management, John Willey Publisher, 2007*

Skill Development

(These activities are only indicative; the faculty member can innovate)

1. Correlation and Regression Analysis on Excel/R.
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4. Medhi, J., Statistical Methods: An Introductory Text, Wiley, 1992
5. Morris H. Degroot and Mark J. Schervish, "Probability and Statistics", 4th edition, 2012
6. Teresa Bradley, Essential Statistics for Economics, Business and Management, John Willey Publisher, 2007

SEMESTER II

S1 22 MN 201: FOUNDATIONS OF BEHAVIOUR

COURSE OBJECTIVES

- Understand the dynamics of emotions and motivation.
- Understand theoretical concepts relating to human intelligence.
- Analyse and relate the concepts of thinking, problem solving, reasoning anddecision making to cognition.
- Evaluate the theories and aspects of personality.

MODULE I: EMOTIONS (10 hours)

- Meaning and definition
- Classification of emotions- primary and secondary.
- Responses to emotions- physiological, behavioural, psychological and cognitive.
- Theories of emotions- Physiological, neurological, cognitive.
- Emotional Intelligence- Meaning, definition, components; application of emotional intelligence.

MODULE II: MOTIVATION (12 hours)

- Meaning, definition and basic concepts.
- Instincts, needs, drives, incentives, motivational cycle.
- Approaches to the Study of Motivation: Psychoanalytical, ethological, S-R, cognitive, humanistic.
- Biological Motives: Hunger, thirst, sleep and sex.
- Social Motives: Achievement, affiliation, approval.

MODULE III: INTELLIGENCE (12 hours)

- Meaning, definition of intelligence, characteristics of intelligence.
- Types - Social, crystallized, emotional, fluid.
- Theories of Intelligence- Factor theories, hierarchical theories, process oriented theories, information processing theories.
- Educating gifted children

- Assessment of intelligence - Indian tests for intelligence, concept of intelligence quotient.

MODULE IV: THINKING AND REASONING (14 hours)

- Introduction to cognition
- Introduction to Thinking and Problem Solving Process
- Elements of Thinking and Types of Thinking
- Creative and critical thinking : Meaning and types
- Concept Formation: Meaning, importance and process of concept formation
- Problem Solving: Meaning, importance, steps, and obstacles
- Reasoning and decision making

MODULE V: PERSONALITY (12 hours)

- Meaning, definition,
- Theories of personality- Type and trait, psychodynamic, behavioral, humanistic.
- Assessment of personality- Need, rating scales, questionnaires, projective techniques.

SKILL DEVELOPMENT

(These activities are only indicative. The faculty member can innovate.)

1. Use any of the theories of personality to evaluate your own personality. Present your findings as a chart or a report.
2. Choose any of the concepts covered in the syllabus (emotions, motivation, intelligence, personality, thinking and reasoning) and critically evaluate indigenous theories that explain this concept.
3. Choose a theory relating to problem solving or decision making. Construct a simple experiment to test this theory. Conduct the experiment on a minimum of five people/five trials. Report your findings.

COURSE OUTCOMES

After successful completion of the course students will be able to:

1. Understand and analyse the theories and determinants of emotions, motivation and personality.
2. Compare and contrast different theories of intelligence
3. Critically evaluate concepts relating to cognition.

BOOKS FOR REFERENCE

1. Baron, R. A. (2014).Psychology. (5th ed.). Delhi: PHI Learning Pvt. Ltd.
2. Feldman, R. S. (2018). Understanding Psychology (14th ed.). New York: McGraw HillHergenhahn, B. R., & Henley, T. (2013). An Introduction to the history of psychology. Cengage Learning.
3. Hilgard, E. R., Atkinson, R. C. & Atkinson, R. L. (2015). Introduction to Psychology. (16th ed.). Boston: Cengage Learning.
4. Malim, T. (2017). Introductory Psychology. Macmillan International Higher Education. Morgan, C. T., King, R. A., Weisz, J. R., & Schopler, J. (2001). Introduction to psychology.(7th ed.). Chennai: McGraw- Hill Education (India) Pvt. Ltd.

S1 22 MNP 201: PRACTICALS

(Minimum 8 Practical to be conducted) 30 Hrs

Emotions:

1. Emotional regulation scale
2. Emotional intelligence scale/ questionnaire
3. Oxford happiness scale
4. Fear checklist
5. Positive and Negative affect scale

Motivation:

1. Achievement motivation
2. The Motivation Assessment Scale
3. Power Motive Inventory/Scale
4. Academic Achievement Need Scale
5. Guidance Need Inventory

Intelligence:

1. Standard Progressive Matrices
2. WAIS (Weschler's adult intelligence Scale)
3. Draw a Man Test
4. SFB (Seguin Form Board)
5. General Mental Ability Test by Jalota

Thinking and reasoning:

1. Stroop Effect
2. Test of Creativity
3. Cognitive Style Assessment
4. Concept Formation
5. Problem Solving Ability Test based on Tower of London test

Personality:

1. Eysenck's Personality Questionnaire (Revised)
2. Children's Personality Questionnaire
3. Sixteen Personality Factor Questionnaire
4. NEO Five Factor Inventory
5. Myers Briggs Types indicator

Statistics

1. Standard Deviation
2. Range
3. Measures of Variance (Grouped and Ungrouped)
4. Quartile deviation