



Rayat Shikshan Sanstha`s
Chhatrapati Shivaji College, Satara
(Autonomous)
Tal: Satara Dist.: Satara-415001 (Maharashtra)

A Constituent College of
Karmaveer Bhaurao Patil University, Satara

B.A. Degree Program in Psychology
(Under the Faculty of Humanities)

SYLLABUS UNDER

NATIONAL EDUCATION POLICY: 2020

CHOICE BASED CREDIT SYSTEM WITH MULTIPLE ENTRY AND
MULTIPLE EXIT OPTIONS IN THE UNDERGRADUATE DEGREE
PROGRAMMES OF PSYCHOLOGY

B.A. PART: I (PSYCHOLOGY) SEMESTER I & II
CATEGORY : MAJOR

To be implemented from Academic Year: 2023-2024

B.A. PART: I- PSYCHOLOGY

STRUCTURE OF THE COURSE				
Year	Semester	Course Type	Course Title	Credit
I	I	Major: Theory Mandatory (DSC)	Understanding Psychology	04
		Major: Theory Mandatory (DSC)	Introduction to Environmental Psychology	02
		Generic/Open Elective Course (GE/OE)	SM-I : Introduction to Scientific Method	04
			STD-I: Introduction to Science and Technology	04
		Vocational Skill Courses (VSC)	Fundamentals of Deductive Logic	02
		Skill Enhancement Course (SEC)	Psychological First Aid	02
		Ability Enhancement Course (AEC)	English for Communication Paper-I	02
		Indian Knowledge System (IKS)	Basics of Vipassana Meditation	02
		Value Education Course (VEC)	Foundations of Indian Psychology	02
		Co-curricular Course (CC)	Select any one from the college basket	02
Total Credit For Semester: I				22
I	II	Major: Theory Mandatory (DSC)	Basic Principles of Psychology	04
		Major: Theory Mandatory (DSC)	Introduction to Criminal Psychology	02
		Minor: Theory	Introduction to Sport Psychology	02
		Generic/Open Elective Course (GE/OE)	SM-II: Principles of Hypothesis and Explanation	04
			STD-II: Application of Science and Technology In India	04
Vocational Skill Courses (VSC)	Application of Immediate and Mediate Inference	02		

		Skill Enhancement Course (SEC)	Fundamentals of Mindfulness	02
		Ability Enhancement Course (AEC)	English for Communication P-II	02
		Value Education Course (VEC)	Personality Development Skills	02
		Co-curricular Course (CC)	Select any one from the college basket	02
Total Credit For Semester: II				22
Total Credit For Semester: I & II				44

B.A. PART: I- PSYCHOLOGY (SEMESTER: I)**COURSE STRUCTURE: CODE, CREDIT & EXAMINATION PATTERN**

Sem.	Title of the Paper	Course Type	Code	Credit	Workload Per week	SEE	IE	Total Marks
SEMESTER : I								
I	Understanding Psychology	Major Mandatory (DSC)	MMPSY01101	4	4 Lectures	60	40	100
I	Introduction to Environmental Psychology	Major Mandatory (DSC)	MMPSY01102	2	02 Lectures	30	20	50
I	SM-I : Introduction to Scientific Method OR STD-I : Introduction to Science and Technology	Generic /Open Elective Course (GE/OE)	OESNM01101	4	4 Lectures	60	40	100
			OESTD01101	4	4 Lectures	60	40	100
I	Fundamentals of Deductive Logic	Vocational Skill Courses (VSC)	VSCPSY01101	2	02 Lectures	30	20	50
I	Psychological First Aid	Skill Enhancement Course (SEC)	SECPSY01101	2	02 Lectures	30	20	50
I	English for Communication Paper-I	Ability Enhancement Course (AEC)	AECENG01101	2	02 Lectures	30	20	50
I	Foundations of Indian Psychology	Indian Knowledge System (IKS)	IKSPSY01101	2	02 Lectures	30	20	50
I	Basics of Vipassana Meditation	Value Education Course (VEC)	VECPSY01101	2	02 Lectures	30	20	50
I	Select any one from the college basket	Co-curricular Course (CC)	CC01101	2	02 Lectures	30	20	50

ESE= End Semester Examination CCE= Continuous & Comprehensive Evaluation

B.A. PART: I- PSYCHOLOGY (SEMESTER: II)**COURSE STRUCTURE: CODE, CREDIT & EXAMINATION PATTERN**

Sem.	Title of the Paper	Course Type	Code	Credit	Workload Per week	SEE	IE	Total Marks
SEMESTER : I								
II	Basic Principles of Psychology	Major Mandatory (DSC)	MMPSY01203	4	4 Lectures	60	40	100
II	Introduction to Criminal Psychology	Major Mandatory (DSC)	MMPSY01204	2	02 Lectures	30	20	50
II	Introduction to Sport Psychology	Minor	MNPSY01201	4	2 Lectures	30	20	50
II	SM-II: Principles of Hypothesis and Explanation OR STD-II: Application of Science and Technology in India	Generic/ Open Elective Course (GE/OE)	OESNM01202	4	04 Lectures	60	40	100
			OESTD01202	4	04 Lectures	60	40	100
II	Application of Immediate and Mediate Inference	Vocational Skill Courses (VSC)	VSCPSY01202	2	02 Lectures	30	20	50
II	Fundamentals of Mindfulness	Skill Enhancement Course (SEC)	SECPSY01202	2	02 Lectures	30	20	50
II	English for Communication P-II	Ability Enhancement Course (AEC)	AECENG01202	2	02 Lectures	30	20	50
II	Personality Development Skills	Value Education Course (VEC)	VECPSY01202	2	02 Lectures	30	20	50
II	Select any one from the college basket	Co-curricular Course (CC)	CC 01202	2	02 Lectures	30	20	50

ESE= End Semester Examination CCE= Continuous & Comprehensive Evaluation

B.A. PART: I- PSYCHOLOGY

SEMESTER: I

Syllabus NEP: 2020

B.A. PART: I- PSYCHOLOGY (MAJOR)
MAJAR MANDATORY: DISCIPLINE SPECIFIC COURSE (DSC)
PSYCHOLOGY MAJOR COURSE: I
UNDERSTANDING PSYCHOLOGY
SEMESTER-I

Subject Code: MMPSY01101

Credit: 04

(To be implemented from June 2023 Onwards)

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- **Preamble:** This paper is specially designed for the foundation building of the students by imparting knowledge about psychology. The Choice Based Credit and Grading System to be implemented through this curriculum will help students develop an interest in the field of Psychology. The students pursuing this course will understand the nature, scope, and subject matter of Psychology, Familiarity with the Cognitive Process, States of Consciousness and Learning, basic concepts related to sensation, perceptions, principles of learning, theories of learning, and memory. They will be understanding research methods used in Psychology and their applications in research. The objective of this course is to introduce the concepts such as the foundations of psychology, goals of psychology, fields and research methods in psychology, attention and perception, sleep process, learning process, memory types, and forgetting process. The board of studies briefly mentions the foundation, core, and applied components of this course. The student should get into the prime objectives and expected level of study with the required outcome in terms of basic and advanced knowledge at the examination level.
- **Objectives:**
1. To make the students to the Goals, field, and research methods of Psychology.

2. To introduce students to the nature, Scope, and subject matter of Psychology.
3. To introduce students to the research methods used in Psychology.
4. To introduce students to attention and its basic concepts.
5. To introduce students to the perception process, and its basic concepts.
6. To acquaint the students with sleep Processes.
7. To acquaint the students with Learning Process.
8. To acquaint the students with classical Conditioning.
9. To introduce students to the operant Conditioning.
10. To acquaint the students with the laws of reinforcement.
11. To acquaint the students with Concept of Memory.
12. To acquaint the students with the process of memory.
13. To introduce students to the forgetting process.
14. To introduce students to the memory-improving techniques.

➤ **Outcomes:** After studying the course the student will be able to ...

1. CO-1: Interest in the study of Psychology.
2. CO-2: Understanding of the nature, Scope, and subject matter of Psychology.
3. CO-3: Applications of research methods in Psychology.
4. CO-4: Understand the attention and its basic concepts.
5. CO-5: Understand the perception process and its basic concepts.
6. CO-6: Understand the sleep Processes.
7. CO-7: Understand the basic concepts and theories of learning.
8. CO-8: Understand the classical Conditioning.
9. CO-9: Application of the operant Conditioning.
10. CO-10: Application of the laws of reinforcement.

11. CO-11: Understand the basic concepts of memory.
12. CO-12: Understand the application of the process of memory.
13. CO-13: Understand the forgetting process.
14. CO-14: Understand the application of the memory-improving techniques.

➤ **Expected Skills impartation (Through theory and practicals):**

1. Understanding skill
2. Comprehension skill
3. Analytical skill
4. Comparison skill

Module	No. of credits
Introduction to Psychology	01
Attention, Perception and Sleep	01
Learning	01
Memory	01

Module No.	Contents	Distribution of Credit	Periods	CoS
1	<p>Module:1: Introduction to Psychology</p> <p>1.1 Definition of Psychology</p> <p>a)Goals of Psychology</p> <p>1.2 Today's Perspectives</p> <p>a) Psychodynamic Perspective</p> <p>b) Behavioral Perspective</p> <p>c) Cognitive Perspective</p> <p>d) Humanistic Perspective</p> <p>1.3 Conducting Psychological Research</p> <p>a) Naturalistic Observation</p>	1	15	CO1 CO2 CO3

3.	<p>Module: 3: Learning</p> <p>3.1. Definition of Learning</p> <p>3.2 Classical Conditioning</p> <p>a) The Basics of Classical Conditioning</p> <p>b) Applying Conditioning Principles to Human Behavior</p> <p>c) Extinction</p> <p>d) Generalization and Discrimination</p> <p>3.3 The basics of Operant Conditioning</p> <p>a) Reinforcement</p> <p>b) Positive Reinforces, Negative Reinforces and Punishment</p> <p>c) Schedule of Reinforcement</p> <p>d) Discrimination and Generalization in Operant Condition</p> <p>3.4. Thorndike's Laws</p>	1	15	CO7 CO8 CO9 CO10
4	<p>Module:4: Memory</p> <p>4.1 The Foundations of Memory</p> <p>a) Sensory Memory</p> <p>b) Short Term Memory</p> <p>c) Working Memory</p> <p>4.2 Long –term Memory</p> <p>a) Long Term Memory Modules</p> <p>b) Semantic Networks</p> <p>c) The Neuroscience of Memory</p> <p>4.3 Forgetting : When Memory fails</p>	1	15	CO11 CO12 CO13

	a. Why we forget? b. Proactive and Retroactive interference c. Memory Dysfunctions 4.4 Improving your Memory			CO14
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Practical work: Case Study / Field Survey / Field Visits / Project: 1. Power point presentation on any syllabus related topic. 2. Project on any psychologist. 3. Home Assignment 4. Online/ Offline Unit Class Test 5. Case Study on any Issue	CO1-14
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➤ **Reference Books:**

a) Basic Reading:

- Feldman, R.S. (2019). *Understanding Psychology*, 12th Edition, Fourth reprint 2019, Chennai: McGraw Hill Education (India) Private Limited, ISBN-13:978-93-794-5, ISBN-10:93-5260-794-5
- Feldman. R.S.(2011):*Understanding Psychology*, 10th Edition, Chennai: McGraw hill Education(India) Private Ltd.
- Ciccarelli & Mayor (2008): *Psychology*, South Asian Edition, and first impression, Delhi: Pearson Education.

b) References:

- Abhyankar, Golvilkar & Oke (2014). *Maharashtra*. Delhi, Pearson Education.
- Abhyankar, Shobhana.; Oke, Amruta & Golvilkar, Sheela. (2014)*Manasshastra : VartanacheShastra*. Delhi, Pearson Education.
- Badgujar,Bachaw,& Shinde (2009).*SamanyaManasashatra*. 2ndAaurti. Nashik, Swayanbhu Pracation,
- Naik, Shirgawe, Ghaste, &Biraje (2013). *Maharashtra Parichay* , Pune, Nirali Pracation
- Shirgave, Garud & Naik.(2013). *Samanye Maharashtra*, Pune, Nirali Pracation.

➤ **Research Journals**

1. American Journal of Psychology
2. Australian Journal of Psychology
3. British Journal of Educational Psychology
4. British Journal of Psychology
5. Canadian Journal of Experimental Psychology
6. Canadian journal of psychology
7. Contemporary Psychology: APA Review of Books
8. Journal of Experimental Psychology: General

➤ **Additional readings:**

1. Journal of Personality and Social Psychology
2. Journal of the American Academy of Child & Adolescent Psychiatry
3. Annual Review of Psychology
4. Australian Journal of Educational and Developmental Psychology

➤ **Medium of Instruction: Marathi/ English**

➤ **Library and laboratory equipment's:**

1. Psychological Inventories
2. Psychological Apparatus
3. Psychology Lab
4. Sample Research Projects
5. Reference Books

B.A. PART: I- PSYCHOLOGY (MAJOR)
MAJOR MANDATORY: DISCIPLINE SPECIFIC COURSE (DSC)
PSYCHOLOGY MAJOR COURSE: II
INTRODUCTION TO ENVIRONMENTAL PSYCHOLOGY
SEMESTER-I

Subject Code: MMPSY01102

Credit: 02

(To be implemented from June 2023 Onwards)

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- **Preamble:** This paper is specially designed to cater to the foundation building of the students by imparting knowledge about environmental psychology. Environmental psychology is an interdisciplinary field focused on the interplay between individuals and their surroundings. The Choice Based Credit and Grading System to be implemented through this curriculum will help students develop an interest in the history of environmental Psychology. Environmental psychology defines the term environment broadly, encompassing natural environments, social settings, built environments, learning environments, and informational environments. The course is designed to introduce to the students about all these aspects of the environment. The students pursuing this course would have to understand the environmental influences on Human Behaviour and Well-Being. The students pursuing this course also would have to understand the Factors Influencing Environmental Behaviour. The board of studies briefly mentions the foundation, core, and applied components of this course. The student should get into the prime objectives and expected level of study with the required outcome in terms of basic and advanced knowledge at the examination level.
- **Objectives:**
1. To make the students familiar with the introduction and history of environmental Psychology.

2. To highlight the simultaneous mutual interaction of environment and behaviour.
3. To acquaint the students with environmental influences on human behaviour and well-being.
4. To acquaint the students with factors influencing environmental behaviour.
5. To delineate psychological approaches to the study of the environment.
6. To discuss the impact of ecological degradation and the need for enhanced awareness programs.

➤ **Outcomes:** After studying the course the student will be able to ...

1. CO-1: Understand environmental Psychology.
2. CO-2: Understand the interactional relationships between the environment and Behavior.
3. CO-3: Understand the concept and history of environmental Psychology.
4. CO-4: Understand the environmental influences on human behaviour and Well-being.
5. CO-5: Understand the factors influencing environmental behaviour.
6. CO-6: Understand the problems occurring in ecology and the environment at the present time.
7. CO-7: Understand different psychological approaches to the study of man-environment relationships.

➤ **Expected Skills impartation (Through theory and practicals):**

1. Understanding skill
2. Comprehension skill
3. Analytical skill
4. Comparison skill

Module	No. of credits
Environmental Influences On Human Behaviour and Well-Being	01
Factors Influencing Environmental Behaviour	01

Module No.	Contents	Distribution of Credit	Periods	CoS
1	<p>Module:1: Environmental Influences On Human Behaviour and Well-Being</p> <p>1.1. Environmental Psychology: Introduction and History</p> <p>1.2 Effects of Environmental Stress</p> <p>a) Noise b) Crowding c) Poor Housing Quality d) Poor Neighbourhood Quality e) Traffic Congestion</p> <p>1.3. Mechanisms Linking Nature to Health</p> <p>a) Air Quality b) Physical Activity c) Social Cohesion d) Stress Reduction</p> <p>1.4. Environment and Quality of Life</p> <p>a) Quality of Life: Objective and Subjective Measures b) Quality of Life: Unidimensional and Multidimensional Measures</p>	1	15	CO1 CO2 CO3
	<p>Module:2: Factors Influencing Environmental Behaviour</p> <p>2.1 Value Theories</p> <p>a. Social Value Orientations b. Schwartz's Value Theory</p>			

- Britain A. Scott, Elise L. Amel, Susan M. Koger, & Christie M. Manning. (2016). *Psychology for Sustainability*. (fourth Edition), New York, Routledge.
- Mirilia, Bonnes & Gianfranco, Secchiaroli. (2095). *Environmental Psychology: A Psycho-social Introduction*. (First Edition), London, Sage Publications.
- Robert B. Bechtel & Arza Churchman. (2002). *Handbook of Environmental Psychology*. (First Edition), Second Edition, Canada, John Wiley & Sons Ltd.
- **Research Journals**
 1. Journal of Population Behavioral Social & Environmental Issues
 2. Environmental, Population & Conservation Psychology Bulletin
 3. Environmental Communication: A Journal Of Nature And Culture
 4. Contemporary Psychology: APA Review of Books
- **Additional readings:**
 1. Journal of Environmental Psychology
 2. Annual Review of Psychology
- **Medium of Instruction: Marathi/ English**
- **Library and laboratory equipment's:**
 1. Psychological Inventories
 2. Psychological Apparatus
 3. Psychology Lab
 4. Sample Research Projects
 5. Reference Books

B.A. PART: I-PSYCHOLOGY (MAJOR)
OPEN ELECTIVE COURSE (OE): I
INTRODUCTION TO SCIENTIFIC METHOD
SEMESTER-I

Subject Code: OESNM01101

Credit: 02

(To be implemented from June 2023 Onwards)

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➤ **Preamble:** This paper is specially designed to cater to students by imparting knowledge about scientific methods. The scientific method of B. A. Part-I can bitterly understand all the latest concepts in scientific methods in a brief but adequate manner. The students pursuing this course will be to expose the inventions in science and their impact on human life and society. The students pursuing this course will develop scientific temperament, attitude, and its impact on human life. They will help to develop an understanding of the nature of science and the basics of postulates. The objective of this course is to introduce the concepts such as observation and scientific thinking, and Knowledge of social research. The board of studies has briefly mentioned the foundation, core, and applied components of the course/paper. The student will be gotten into the prime objectives and expected level of study with the required outcome in terms of basic and advanced knowledge at the examination level.

➤ **Objectives of the Course:**

1. To make the students familiar with the nature of science.
2. To introduce students to the difference between natural and social sciences.
3. To acquaint the importance of the scientific method.
4. To acquaint the students with Postulates of Science.
5. To create awareness about Science and Technology among students with Scientific methods.

6. To discuss the major problem of the scientific method.
7. To acquaint the students with Scientific Investigation.
8. To acquaint the students with Techniques of Social Research.

➤ **Outcome:** After studying the course the student will be able to ...

1. CO1: Knowledge of the nature of science.
2. CO2: Understand the difference between natural and social sciences.
3. CO3: Understand the importance of the scientific method.
4. CO4: Understand the Postulates of Science.
5. CO5: Understand the Science and Technology.
6. CO6: Understand the major problem of the scientific method.
7. CO7: Understand the Scientific Investigation.
8. CO4: Understand the observation and scientific thinking.

➤ **Expected Skills impartation (Through theory and practicals):**

1. Understanding skill
2. Comprehension skill
3. Analytical skill
4. Comparison skill

Module	No. of credits
Nature of Science	01
Postulates of Science	01
Scientific Investigation, Observation and Experiment	01
Techniques of Social Research	01

Module No.	Contents	Distribution of Credits	Periods	CoS
1	Module:1: Nature of Science 1.1.Definition and Characteristics of Science 1.2.Commonsense and Science	1	15	CO1 CO2

4	Module:4:Techniques of Social Research	1	15	CO8
	4.1.Nature of Social Research			
	4.2. Survey			
	4.3.Questionnaire			
	4.4. Interview			

<p>Practical work: Case Study / Field Survey / Field Visits / Project:</p> <ol style="list-style-type: none"> 1. Power point presentation on any syllabus related topic. 2. Project on any environmental issues. 3. Project on any scientists work 4. Home Assignment 5. Online/ Offline Unit Class Test 6. Case Study 	CO1-8
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➤ **Reading Books:**

- डॉ. दाभोळे, ज., रा. (२०१०). वैज्ञानिक पद्धती (प्रथम आवृत्ती). कोल्हापूर, फडके प्रकाशन.
- प्रा. देशमुख, एल., जी. (२०००). वैज्ञानिक पद्धती (प्रथम आवृत्ती). पुणे, निराली प्रकाशन.

➤ **Reference Books:**

- Cohen and Nagel : *An Introduction to Logic and Scientific Method*
- Wolf: *Essentials of Scientific Method*
- Korade, Sawant : *Science and Scientific Method*
- K. T. Basantani : *Introduction to Logic*
- M.G. Patkar : *A.B.C. of Computer*
- Arain Mounal : *AIDS Education for student youth*
- Hirve, Pitake, Nargare, Mrs. Patankar: *Scientific Method: Shivaji University Publication*
- वाडेकर आणि हरोलीकर: *तर्कशास्त्र आणि वैज्ञानिक पद्धती*
- श्री. ह. दीक्षित: *तर्कशास्त्र*

- प्रा. हरवे, प्रा. नांगरे, प्रा. पिटके, प्रा. फरतारे, प्रा. वाघमोडे आणि प्रा. चौगुले: वैज्ञानिक पद्धती: शिवाजी विद्यापीठ, कोल्हापूर
- काळे, कावळे आणि हुल्याळकर: तर्कशास्त्र आणि वैज्ञानिक पद्धती
- शशिकांत वाकरे: कॉम्प्युटरचा वाटाड्या
- डॉ. प्रमोद जोगळेकर: जैव-तंत्रज्ञान

➤ **E-Content**

- विज्ञान आणि त्याचे स्वरूप: <https://youtu.be/vffUu3lLjhA>
- व्यावहारिक ज्ञान आणि विज्ञान: <https://youtu.be/YyCcEFmpekC>
- कारणाचे स्वरूप: <https://youtu.be/hL4XwzgPeRQ>
- पर्यावरणाचे स्वरूप: https://youtu.be/xR-UmBovr_8
- शुद्ध शास्त्रे आणि उपयोजित शास्त्रे: <https://youtu.be/Ly-6Vlw6ftA>
- पर्यावरण अर्थ आणि त्याचे प्रकार: <https://youtu.be/sZkYQzRvPiA>
- पर्यावरणाचे महत्त्व : https://youtu.be/xR-UmBovr_8
- पर्यावरणाची व्याप्ती: https://youtu.be/xR-UmBovr_8
- पर्यावरण प्रश्नावली : <https://youtu.be/YGbgSkmbLw>

➤ **Research Journals**

1. International Journal of Qualitative Studies in Education
2. International Journal of Research & Methods in Education
3. International Journal of Social Research Methodology
4. International Review of Qualitative Research
5. Journal of Educational & Behavioral Statistics
6. Journal of Educational Computing Research
7. Journal of Experimental Education
8. Journal of Multidisciplinary Evaluation (DOAJ, open access)
9. Journal of Psycho-educational Assessment

➤ **Additional readings:**

1. Journal of Psychopathology and Behavioral Assessment

2. Journal of Statistical Software (DOAJ, open access)
 3. Journal of Statistics Education (DOAJ, open access)
 4. Journal of the American Statistical Association
 5. Journal of the Royal Statistical Society. Series B. Statistical Methodology
 6. Linguistics and Education
 7. Measurement: interdisciplinary research and perspectives
 8. Measurement & Evaluation in Counseling & Development
 9. Methodological Innovations (DOAJ, open access)
- **Medium of Instruction: Marathi/ English**
- **Library and laboratory equipment's:**
1. Reference Books (Departmental Library)

B.A. PART: I- PSYCHOLOGY (MAJOR)
OPEN ELECTIVE COURSE (OE): I
INTRODUCTION TO SCIENCE AND TECHNOLOGY
SEMESTER-I

Subject Code: OESTD01101

Credit: 02

(To be implemented from June 2023 Onwards)

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➤ **Preamble:** This paper is specially designed to cater to the students by imparting knowledge about the introduction to science and technology. The introduction to science and technology students of B. A. Part-I can bitterly understand all the latest concepts in Science, Technology, and Development in brief but in an adequate manner. The students pursuing this course will to expose the inventions in science and Technology and their impact on human life, give knowledge of science and technology and their impact on social and cultural development, and acknowledge science and Technology to the students of Arts. They will develop an understanding of the latest concepts in science technology and development, contribution of eminent scientists. The objective of this course is to introduce the latest concepts in Science, Technology, and Development, specifically fundamental concepts in scientific thinking, contribution of eminent scientists. The objective of this course is to introduce the latest concepts in Science, Technology, and Development, non-conventional power resources of India, and human health.

➤ **Objectives Course:**

1. To study the fundamental concepts of science, technology and development.
2. To makes the students familiar with the science and technology.
3. To introduce students to the stages in the study of science.
4. To acquaint the students with science and superstitions.

5. To acquaint the students with contribution of eminent scientist in the Development of science and technology.
6. To acquaint the students with the Non-Conventional Power Resources of India.
7. To acquaint the students with Science, Technology, and Human Health.

➤ **Outcome:** After studying the course the student will be able to ...

1. CO1: Understand the latest concepts in Science Technology and development.
2. CO2: Understand in-depth about the concepts of science, technology and development.
3. CO3: Understand the stages in the study of science.
4. CO4: Understand the science and superstitions
5. CO5: Understand contribution of eminent scientists in the development of science and technology.
6. CO2: Understand the non- conventional power resources of India.
7. CO3: Familiarity with Science Technology and Human Health.

➤ **Expected Skills impartation (Through theory and practicals):**

1. Understanding skill
2. Comprehension skill
3. Analytical skill
4. Comparison skill

Module	No. of credits
Introduction to Science and Technology	01
Contribution of Eminent Scientist in the Development of Science	01
Non-Conventional Power Resources of India	01
Science, Technology and Human Health	01

Module No.	Contents	Distribution of Credits	Periods	CoS
1	<p>Module: 1: Introduction to Science and Technology</p> <p>1.1. Science and Technology: Definitions, Nature, Scope, Fundamental Concepts in Scientific Thinking</p> <p>1.2. Stages in the Study of Science Observation, Experiment, Analysis, Result and Hypothesis.</p> <p>1.3. Impact of Science and Technology on Society</p> <p>1.4. Science and Superstitions, Development of Science and Technology</p>	1	15	CO1 CO2 CO3 CO4
2	<p>Module : 2: Contribution of Eminent Scientist in Fundamental Science</p> <p>2.1. Newton & Loui Pascher</p> <p>2.2. Albert Einstein & Thomas Alva Edison</p> <p>2.3. Dr. Homi Bhaba, Dr. C.V. Raman</p> <p>2.4. Dr. A.P.J. Abdul Kalam & Dr. Jayant Narlikar</p>	1	15	CO1 CO2 CO5
3	<p>Module :3: Non-Conventional Power Resources of India</p> <p>3.1. Resource: Concept and Importance of Power Resources</p> <p>3.2. Types of Power Resource</p> <p>3.3. Non-Conventional Power Resources</p> <p>3.3.1 Solar Energy</p> <p>3.3.2 Wind Energy</p> <p>3.3.3 Hydel Power Energy</p> <p>3.3.4 Nuclear Energy</p>	1	15	CO6

	<p>3.3.5 Bio Energy</p> <p>3.3.6 Geo-Thermal Energy</p> <p>3.3.7 Tidal Energy</p> <p>3.4. Carbon Credit</p>			
4	<p>Module:4 : Science, Technology and Human Health</p> <p>4.1. Nature and Importance of Scientific Attitude and Impact of Science and Technology on Human Health</p> <p>4.2.Human Blood: Blood Groups, Importance of Matching Blood Groups in Human Health and Science for Health</p> <p>4.3.AIDS: A Challenge before World, Facts, Figures, Causes, Effects, Treatment, Social Outlook, Addiction a Social Problem, types, Causes, Effects and Solution</p> <p>4.3. COVID: A Challenge before World, Facts, Figures, Causes, Symptoms, Treatment, Social Outlook. Need of Cleanliness: Swachhata Bharat Abhiyan</p>	1	15	CO7
<p>Practical work: Case Study / Field Survey / Field Visits / Project:</p> <ol style="list-style-type: none"> 1. Power point presentation on any syllabus related topic. 2. Project on any environmental issues. 3. Project on any scientist 4. Home Assignment 5. Online/ Offline Unit Class Test 6. Case Study 				CO1-7

➤ **Reading Books:**

- पवार जयसिंगराव, आणि सूर्यवंशी निशांत: *विज्ञान, तंत्रज्ञान आणि प्रगती*. कोल्हापूर, फडके प्रकाशन
- पाटील हरिश्चंद्र, घस्ते अनिल, पाटील अरुण, माने देशमुख रामराजे: *विज्ञान, तंत्रज्ञान आणि प्रगती*, पुणे, निराली प्रकाशन

➤ **Reference Books:**

- Annual Review of Information Science and Technology (ARIST) 39. By Blaise Cronin, Information Today, 2004.
- Encyclopedia of Computer Science and Technology (Facts on File Science Library): Import, 15 Jan 2009
- Encyclopedia of Space Science and Technology, Wiley Online Library.
- Indian Ocean Research Volumes: Geopolitical Orientations, Regionalism and Security in the Indian Ocean (Routledge Revivals), Dennis Rumley, Sanjay Chaturvedi (Editor) 2015
- Disaster Management in India, Kadambari Sharma and Chiranjeev Avinash, Jnanda Prakashan, 2010.
- Bagila A.V. (Ed1972) *Science and Society*, Lavani Publication House,
- Butle J.A.V, *Science and Human Life*, London Pergamon Press.
- Encyclopaedia Britannica.
- Flower W.S, (1962). *The Development of Scientific Method*, London, Pergamon Press.

➤ **मराठी पुस्तके**

- विज्ञानाचा समाज धारणेवरील परिणाम – दीक्षित कमलाकर, समाज प्रबोधन संस्था
- शास्त्रीय विचार पद्धती - अ. भि. शहा, समाज प्रबोधन संस्था
- जीवनाभिमुख विज्ञान – शिवाजी विद्यापीठ प्रकाशन
- वैज्ञानिक अभ्यासाची गाथा- शिवाजी विद्यापीठ प्रकाशन
- डॉ. दाभोळे, ज., रा. (२०१०). *वैज्ञानिक पद्धती(प्रथम आवृत्ती)*. कोल्हापूर, फडके प्रकाशन.
- प्रा. देशमुख, एल., जी. (२०००). *वैज्ञानिक पद्धती(प्रथम आवृत्ती)*. पुणे, निराली प्रकाशन.

- मराठी विश्वकोश

➤ **Websites:**

- e-PG Pathshala: <https://epgp.inflibnet.ac.in/>
- MOOCS - NPTEL: <https://nptel.ac.in/>
- MOOCS - SWAYAM: <https://swayam.gov.in/>
- National Digital Library of India: <https://ndl.iitkgp.ac.in/>
- Shivaji University Library (E-Resources):
<http://www.unishivaji.ac.in/library/E-Resources>

➤ **Research Journals**

1. International Journal of Qualitative Studies in Education
2. International Journal of Research & Methods in Education
3. International Journal of Social Research Methodology
4. International Review of Qualitative Research
5. Journal of Educational & Behavioral Statistics
6. Journal of Educational Computing Research
7. Journal of Experimental Education
8. Journal of Multidisciplinary Evaluation (DOAJ, open access)
9. Journal of Psycho-educational Assessment

➤ **Additional readings:**

1. Journal of Psychopathology and Behavioral Assessment
2. Journal of Statistical Software (DOAJ, open access)
3. Journal of Statistics Education (DOAJ, open access)
4. Journal of the American Statistical Association
5. Journal of the Royal Statistical Society. Series B. Statistical Methodology
6. Linguistics and Education
7. Measurement: interdisciplinary research and perspectives
8. Measurement & Evaluation in Counseling & Development

9. Methodological Innovations (DOAJ, open access)

➤ **Medium of Instruction: Marathi/ English**

➤ **Library and laboratory equipment's:**

1. Reference Books (Departmental Library)

B.A. PART: I-PSYCHOLOGY (MAJOR)
VOCATIONAL SKILL COURSE (VSC): I
FUNDAMENTALS OF DEDUCTIVE LOGIC
SEMESTER-I

Subject Code: VSCPSY01101

Credit: 02

(To be implemented from June 2023 Onwards)

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- **Preamble:** This paper is specially designed to cater to the students by imparting knowledge and vocational skills about deductive logic. Logic is an important tool to develop critical thinking. When used in arguments and decision-making, deductive reasoning is used as a guideline to present factual evidence. Deductive reasoning allows them to apply the theories to specific situations. The logic study will students develop analytical soft skills. The students pursuing this course will understand the nature and scope of deductive logic and the classification of propositions. The objective of this course is to introduce the latest concepts in deductive logic.
 - **Objectives Course:**
 1. To introduce students to the deductive logic.
 2. To acquaint the students with nature and scope of logic.
 3. To acquaint the students with basic concepts of logic.
 4. To introduce students to the Classification of propositions.
 - **Outcome:** After studying the course the student will be able to ...
 1. CO1: Understand the deductive logic.
 2. CO2: Understand the nature and scope of logic.
 3. CO3: Describe the basic concepts of logic
 4. CO4 Understand the Classification of propositions.
 - **Expected Skills impartation (Through theory and practicals):**
 1. Implanting analytical thinking.

2. Providing applications of theories in practical.
3. Understanding skill
4. Comprehension skill
5. Analytical skill
6. Comparison skill

Module	No. of credits
Nature and scope of Logic	01
Classification of Propositions	01

Module No.	Contents	Distribution of Credits	Periods	CoS
1	Module:1:Nature and scope of Logic 1.1. Kinds of Human knowledge 1.2. Definition and Nature of Logic 1.3. Deductive and inductive Inference 1.4. Application and Importance of Logic	1	15	CO1 CO2 CO3
2	Module:2:Classification of Propositions 2.1. Categorical Proposition 2.2. Conditional Propositions 2.3. Modern Classification of Propositions 2.4. Distribution of terms of A,E,I,O Propositions	1	15	CO3 CO4
Practical Work: 1. Power point presentation on any syllabus related topic. 2. Project on any Philosopher's Work 3. Home Assignment 4. Online/ Offline Unit Class Test 5. Project on Applications of Deductive Logic in Life				CO1 To CO4

➤ **Reference Books:**

1. Dikshit, Shrinivas (1967), *Tarkshashtra*. Kolhapur: Maharashtra Granth Bhandar
2. Hulyalkar, S. G.; Kale S. V.; Kawale, S. R.(1959), *Sugam Tarkashastra aani vaidnyanik padhatti*. Pune :AnaathVidyarthiGruhaPrakashan.
3. Hurley, P., & Watson, L.(2018), *A Concise Introduction to Logic*. Delhi: Wadsworth
4. Kadam, Mukund (1969),*Sulabh Trkshastra*. Satara: Ravil Publication
5. Khandagale, Chandraknt (2015), *Nigami Tarkshashtra*. Sangali: Sau. Mayadevi Khandagale
6. Pataskar,N.(1968), *Tarkshastra*. Kolhapur: Maharashtra Granth Bhandar
7. Phadke, N. C.; (1959), *Tarkshastra aani vaidnyanik padhatti*. Pune :Deshmukh Prakashan

➤ **Suggested Research Journal:**

1. Journal of Philosophical Logic, Springer
2. Journal of Logic and Computation, Oxford Academic
3. Logic journal of IGPL, Oxford Academic
4. The Journal of Symbolic Logic, JSTOR
5. Journal of Applied Logic, Science Direct
6. History and Philosophy of Logic, Taylor & Francis Online

➤ **Medium of Instruction :**Marathi / English

➤ **Library and laboratory equipment's:**

1. Reference Books (Departmental Library)

**B.A. PART: I- PSYCHOLOGY (MAJOR)
SKILL ENHANCEMENT COURSE (SEC): I****PSYCHOLOGICAL FIRST AID****SEMESTER-I****Subject Code: SECPSY01101****Credit: 02****(To be implemented from June 2023 Onwards)**

➤ **Preamble:** This paper is specially designed to cater to the foundation building of the students by imparting knowledge about Psychological first aid. The Choice-Based Credit and Grading System to be implemented through this curriculum will help students develop an interest in psychological first aid. The students pursuing this course will help them understand psychological first aid and mental trauma. They will also have help with the understanding diagnosis and healing of mental injuries. The objective of this course is to introduce the concepts such as the need, definition of psychological first aid, criteria of mental trauma, the Causes, Symptoms, and effects of mental Trauma and treatment, and psychological first aid on mental trauma. Another, objective of this course is to introduce rapport building, fields of diagnosis, and healing of mental injuries.

➤ **Objectives:**

1. To make the students familiar with the skills of psychological first aid.
2. To understand the scope of psychological first aid and its development.
3. To acquaint the students with the importance of psychological first aid in daily life.
4. To develop core skills for psychological first aid.
5. To introduce students to the understanding the psychological first aid and mental trauma.

6. To introduce students to the diagnosis and healing of Mental Injuries.

➤ **Outcomes:** After studying the course the student will be able to ...

1. CO-1: Understanding of skills of psychological first aid.
2. CO-2: Understanding the scope of psychological first aid and its development.
3. CO-3: Understanding the importance of psychological first aid in daily life.
4. CO-4: Development core skills for psychological first aid.
5. CO-5: Understanding the psychological first aid and mental trauma.
6. CO-6: Understanding the diagnosis and healing of Mental Injuries

➤ **Expected Skills impartation (Through theory and practicals):**

1. Understanding skill
2. Comprehension skill
3. Analytical skill
4. Comparison skill

Module	No. of credits
Understanding the Psychological First Aid and Mental Trauma	01
Diagnosis and Healing /Treatment of Mental Injuries	01

Module No.	Contents	Distribution of Credit	Periods	CoS
1	<p>Module-I: Understanding the Psychological First Aid and Mental Trauma</p> <p>1.1. Need for Psychological First Aid</p> <p>1.2. Definition and Criteria of Mental Trauma</p> <p>1.3. Causes, Symptoms and Effect of Mental Trauma</p> <p>1.4. Treatment and Psychological First Aid on Mental Trauma</p>	1	15	CO1-5

2	Module- II. Diagnosis and Healing /Treatment of Mental Injuries	1	15	CO1-4 CO6
	2.1. Rapport Building			
	2.2. Fields of Diagnosis			
	2.3. Healing /Treatment of mental injuries			
	2.4. Eight Tasks			
Practical work: Case Study / Field Survey / Field Visits / Project:				CO1-6
1. Power point presentation on any syllabus related topic.				
2. Project on psychological first aid.				
3. Home Assignment				
4. Online/ Offline Unit Class Test				
5. Case Study				

➤ **Reference Books:**

a) **Basic Reading:**

- देशपांडे, प्रतिभा.(२०२२).सर्वासाठी मानसिक प्रथमोपचार, सकाळ प्रकाशन.

b) **References:**

- Everly, George S., Jr.& Lating, Jeffrey M. (2017). *The Johns Hopkins guide to psychological first aid*. Maryland, Johns Hopkins University Press.
- Gerard, A. Jacobs. (2016). *Community-Based Psychological First Aid*. Elsevier Inc.

➤ **Research Journals**

1. Journal of Mindfulness
2. Journal of Alternative and Complementary Medicine
3. American Journal of Hypertension

➤ **Additional readings:**

1. Journal of Addiction Medicine
2. Complementary Therapies in Medicine

➤ **Medium of Instruction: Marathi/ English**

➤ **Library and laboratory equipment's:**

1. Psychological Inventories
2. Psychological Apparatus
3. Psychology Lab
4. Reference Books

B.A. PART: I- PSYCHOLOGY (MAJOR)
VALUE EDUCATION COURSE (VEC): I
FOUNDATIONS OF INDIAN PSYCHOLOGY
SEMESTER-I

Subject Code: VECPSY01101

Credit: 02

(To be implemented from June 2023 Onwards)

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➤ **Preamble:** This paper is specially designed to cater to the foundation building of the students by imparting knowledge about the basically Foundations of Indian Psychology. The Choice-Based Credit and Grading System to be implemented through this curriculum will help students develop an interest in Indian Psychology. The students pursuing this course would have to understanding the Implications and applications of Indian psychology. They will develop an understanding of a journey back to the Roots in Psychology in India from this paper. The objective of this course is to introduce Religion and spirituality, Science and spirituality, Spiritual psychology, Theoretical base, Implications for health and wellness, and distant intercessory prayer. The objective of this course is to acquaint the students with twentieth-century psychology in India.

➤ **Objectives:**

1. To introduce students to Indian psychology.
2. To acquaint the students with the religion and spirituality, Science and spirituality, Spiritual psychology.
3. To acquaint the students with the implications for health and wellness, distant (remote) intercessory prayer.
4. To introduce students to the implications and applications of Indian psychology.

5. To introduce students to the journey back to the roots in Psychology in India.
6. To acquaint the students with the twentieth century psychology in India.
7. To acquaint the students with the psychology in the new millennium.

➤ **Outcomes:** After studying the course the student will be able to ...

1. CO-1: Understand the foundations of Indian psychology.
2. CO-2: Understand the religion and spirituality, Science and spirituality, spiritual psychology.
3. CO-3: Understand the implications for health and wellness, distant (remote) intercessory prayer
4. CO-4: Understand the implications and applications of Indian psychology.
5. CO-5: Understand the journey back to the roots in Psychology in India.
6. CO-6: Understanding the twentieth century psychology in India.
7. CO-7: Understand the psychology in the new millennium.

➤ **Expected Skills impartation (Through theory and practicals):**

1. Understanding skill
2. Comprehension skill
3. Analytical skill
4. Comparison skill

Module	No. of credits
Indian psychology: Implications and applications	01
A journey back to the roots: Psychology in India	01

Module No.	Contents	Distribution of Credit	Periods	CoS
1	<p>Module-I: Indian psychology: Implications and applications</p> <p>1.1. Religion and spirituality, Science and spirituality, Spiritual psychology</p> <p>1.2. Theoretical base, Theory to testing</p> <p>1.3. Implications and applications</p> <p>1.4. Implications for health and wellness, Distant (remote) intercessory prayer</p>	1	15	CO1 CO2
2	<p>Module- II. A journey back to the roots: Psychology in India</p> <p>2.1. Twentieth century psychology in India: A Western implant</p> <p>2.2. Two worlds of Indian psychologists</p> <p>2.3. Initiatives towards socially relevant research, Rapid but unplanned expansion, The consolidation of Western research,</p> <p>2.4. A crisis of identity, A journey toward indigenous psychology, Psychology in the new millennium</p>	1	15	CO3

<p>Practical work: Case Study / Field Survey / Field Visits / Project:</p> <p>1. Power point presentation on any syllabus related topic.</p> <p>2. Project on development of Indian Psychology.</p> <p>3. Home Assignment</p> <p>4. Online/ Offline Unit Class Test</p> <p>5. Case Study</p>	CO1-3
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➤ **Reference Books:**

a) **Basic Reading:**

- R. M. Matthijs Cornelissen, Girishwar, Misra & Suneet, Varma. (2014). *Foundations and Applications of Indian Psychology*, New Delhi: Dorling Kindersley (India) Pvt. Ltd, licensees of Pearson Education in South Asia.

b) **References:**

- Dharm P.S. Bhawuk. (2011). *Spirituality and Indian Psychology*, Springer New York Dordrecht Heidelberg London.
- R. M. Matthijs Cornelissen, Girishwar, Misra & Suneet, Varma. (2011). *Foundations of Indian Psychology: Theories and Concept, Vol. I*, New Delhi: Dorling Kindersley (India) Pvt. Ltd, licensees of Pearson Education in South Asia.
- R. M. Matthijs Cornelissen, Girishwar, Misra & Suneet, Varma. (2011). *Foundations of Indian Psychology: Practical Applications, Vol. II*, New Delhi: Dorling Kindersley (India) Pvt. Ltd, licensees of Pearson Education in South Asia.

➤ **Research Journals**

1. Indian Journal of Psychological Medicine
2. Indian Journal of Psychological Medicine
3. Journal of the Indian Academy of Applied Psychology

➤ **Additional readings:**

1. Indian Journal of Psychiatry
2. Journal of Human Values

➤ **Medium of Instruction: Marathi/ English**

➤ **Library and laboratory equipment's:**

1. Psychological Inventories
2. Psychological Apparatus
3. Psychology Lab
4. Reference Books

B.A. PART: I- PSYCHOLOGY (MAJOR)
INDIAN KNOWLEDGE SYSTEM (IKS): I
BASICS OF VIPASSANA MEDITATION
SEMESTER-I

Subject Code: IKSPSY01101

Credit: 02

(To be implemented from June 2023 Onwards)

- **Preamble:** This paper is specially designed to cater to foundation building of the students by imparting knowledge about the Vipassana Meditation. The Choice Based Credit and Grading System to be implemented through this curriculum will help students develop interest in the field of meditation. The students pursuing this course would have to understanding of popularization of meditation, and collective solitude. They will also have to develop understanding of meditation in daily life. The objective of this course is to introduce the concepts such as mainstreaming of meditation practice, meditative environments: social and spatial arrangements, rhythmic coordination and mutual attunement, shifting attention to the inner lining of experience and daily meditation sessions.
- **Objectives:**
1. To introduce students to the vipassana meditation.
 2. To make the students familiar with the popularization of meditation and collective solitude.
 3. To acquaint the students with meditative environments.
 4. To acquaint the students with meditation in daily life.
 5. To introduce students to the Daily Meditation Sessions.
- **Outcomes:** After studying the course the student will be able to ...
1. CO-1: Understand the basics of vipassana meditation
 2. CO-2: Understand the popularization of Meditation and Collective Solitude.

3. CO-3: Understand the meditative environments.
4. CO-4: Understand the importance of Meditation in Daily Life.
5. CO-5: Understand the Daily Meditation Sessions.

➤ **Expected Skills impartation (Through theory and practicals):**

1. Understanding skill
2. Comprehension skill
3. Analytical skill
4. Comparison skill

Module	No. of credits
The Popularization of Meditation and Collective Solitude	01
Meditation in Daily Life	01

Module No.	Contents	Distribution of Credit	Periods	CoS
1	<p>Module-I: The Popularization of Meditation and Collective Solitude</p> <p>1.1 The Mainstreaming of Meditation Practice and Positioning This Study in the Contemporary Meditation Field</p> <p>1.2 Meditative Environments: Social and Spatial Arrangements</p> <p>1.3 A Community of Time and Place and Self through the Eyes of Others</p> <p>1.4 Rhythmic Coordination and Mutual Attunement and From “Doing Meditation” to “Being Done by Meditation”</p>	1	15	CO1 CO2 CO3

2	Module- II. Meditation in Daily Life	1	15	CO4
	2.1. Shifting Attention to the Inner			
	Lining of Experience			
	1.2. Stepping into Everyday Life			
	1.3. Daily Meditation Sessions			
1.4. Everyday Situations and Contexts	CO5			

Practical work: Case Study / Field Survey / Field Visits / Project: 1. PowerPoint presentation on any syllabus-related topic. 2. Project on Importance and Application of meditation. 3. Home Assignment 4. Online/ Offline Unit Class Test 5. Case Study	CO1-5
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➤ **Reference Books:**

a) **Basic Reading:**

- Pagis, Michal. (2019). *Inward: Vipassana Meditation and the Embodiment of the Self*, London: The University of Chicago Press, Ltd.

b) **References:**

- Venerable, Sujiva. (2000). *Essentials of Insight Meditation Practice: A Pragmatic Approach to Vipassana*. Malaysia, Buddhist Wisdom Centre.
- Ven. Pa-Auk Sayadaw.(2000). *Knowing and Seeing*. Buddha Dharma Education Association Inc.
- Ven. Sayadaw U Kundala: *Dhamma Discourses on Vipassana Meditation*. Buddha Dharma Education Association Inc.

➤ **Research Journals**

1. Journal of Mindfulness
2. Journal of Alternative and Complementary Medicine
3. American Journal of Hypertension

➤ **Additional readings:**

1. Journal of Addiction Medicine
2. Complementary Therapies in Medicine

➤ **Medium of Instruction: Marathi/ English**

➤ **Library and laboratory equipment's:**

1. Psychological Inventories
2. Psychological Apparatus
3. Psychology Lab
4. Reference Books

B.A. PART: I- PSYCHOLOGY

SEMESTER: II

Syllabus NEP: 2020

B.A. PART: I- PSYCHOLOGY (MAJOR)
MAJOR MANDATORY: DISCIPLINE SPECIFIC COURSE (DSC)
PSYCHOLOGY MAJOR COURSE: III
BASIC PRINCIPLES OF PSYCHOLOGY
SEMESTER-II

Subject Code: MMPSY01203

Credit: 04

(To be implemented from June 2023 Onwards)

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- **Preamble:** This paper is specially designed to cater to foundation building of the students by imparting knowledge about the psychology. The Basic Principles of psychology of B. A. Part-I can better understand all latest concepts in psychology in brief but in adequate manner. The Choice Based Credit and Grading System to be implemented through this curriculum will help students develop interest in the field of Psychology. The students pursuing this course would have to develop understanding of basic principles of Psychology, Familiarity with the motivation, emotion, personality, and intelligence. They will also have to develop understanding of research methods used in Psychology and their applications in research. The objective of this course is to introduce the concepts such as, motivation theories and types, emotion theories and types, personality approaches and measurement as well as theories intelligence and measurement. The board of studies briefly mentions the foundation, core, and applied components of this course. The student should get into the prime objectives and expected level of study with the required outcome in terms of basic and advanced knowledge at the examination level.
- **Objectives:**
1. To make the students familiar with the motivation theories.
 2. To introduce students to the human needs.

3. To acquaint the students with emotion theories
4. To introduce students to the classification of emotions.
5. To acquaint the students with personality approaches.
6. To introduce students to the assessment of personality.
7. To acquaint the students with intelligences approaches.
8. To introduce students to the measurements of intelligences.

➤ **Outcomes:** After studying the course the student will be able to ...

1. CO1: Interest in the study of Psychology
2. CO2: Applications of motivation theories.
3. CO3: Understand the classification of motivation.
4. CO4: Applications of emotion theories.
5. CO5: Understand the classification of emotion.
6. CO6: Understand the personality approaches
7. CO7: Applications of assessment of personality
8. CO8: Understand the intelligences approaches
9. CO9: Applications of measurements of intelligences

➤ **Expected Skills impartation (Through theory and practicals):**

1. Understanding skill
2. Comprehension skill
3. Analytical skill
4. Comparison skill

Module	No. of credits
Motivation	01
Emotions	01
Personality	01
Intelligence	01

Module No.	Contents	Distribution of Credit	Periods	CoS
1	<p>Module- I: Motivation</p> <p>1.1. Definition and Nature of Motivation</p> <p>1.2. Exploring Motivation/ Theories of Motivation</p> <p>a) Instinct Approaches</p> <p>b) Drive-Reduction Approaches</p> <p>c) Arousal Approaches</p> <p>d) Incentive Approaches</p> <p>e) Cognitive Approaches</p> <p>1.3. Maslow's Hierarchy: Ordering Motivational Needs</p> <p>1.4. Human Needs and Motivation</p> <p>a) The Motivation behind Hunger and Eating</p> <p>b) The Need for Achievement</p> <p>c) The Need for Affiliation</p> <p>d) The Need for Power</p>	1	15	CO1 CO2 CO3
2	<p>Module- II. Emotions</p> <p>2.1. Definition of Emotion</p> <p>2.2. Understanding Emotional Experiences</p> <p>a) The Functions of Emotions</p> <p>b) Determining the range of Emotions</p> <p>2.3. The Roots of Emotions</p> <p>a) The James – Lange Theory</p>	1	15	CO4

4	4.1. What is Intelligence? 4.2. Theories of Intelligence a) Fluid and Crystallized intelligence b) Gardner's Multiple intelligence c) Practical and Emotional Intelligence	1	15	CO8
	4.3. Assessing Intelligence a) Binet and Development of IQ test. b) Contemporary IQ test 4.4. Variations in Intellectual Ability a) Intellectual disabilities b) The intellectually gifted			CO9

Practical work: Case Study / Field Survey / Field Visits / Project: 1. Power point presentation on any syllabus related topic. 2. Project on any psychologist's Work. 3. Home Assignment 4. Online/ Offline Unit Class Test 5. Case Study any Issue	CO1-9
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➤ **Reference Books:**

d) Basic Reading:

- Feldman, R.S. (2019). *Understanding Psychology*, 12th Edition, Fourth reprint 2019, Chennai: McGraw Hill Education (India) Private Limited, ISBN-13:978-93-794-5, ISBN-10:93-5260-794-5
- Feldman. R.S.(2011):*Understanding Psychology*, 10th Edition, Chennai: McGraw hill Education(India) Private Ltd.
- Ciccarelli & Mayor (2008): *Psychology*, South Asian Edition, and first impression, Delhi: Pearson Education.

b) References:

- Abhyankar, Golvilkar & Oke (2014). *Maharashtra*. Delhi, Pearson Education.

- Abhyankar, Shobhana.; Oke, Amruta & Golvilkar, Sheela. (2014)*Manasshastra : VartanacheShastra*. Delhi, Pearson Education.
- Badgular, Bachaw, & Shinde (2009). *SamanyaManasashatra*. 2nd Aaurti. Nashik, Swayanbhu Pracation,
- Naik, Shirgawe, Ghaste, & Biraje (2013). *Maharashtra Parichay*, Pune, Nirali Pracation
- Shirgave, Garud & Naik.(2013). *Samanye Maharashtra, Pune*, Nirali Pracation.

➤ **Research Journals**

1. American Journal of Psychology
2. Australian Journal of Psychology
3. British Journal of Educational Psychology
4. British Journal of Psychology
5. Canadian Journal of Experimental Psychology
6. Canadian journal of psychology
7. Contemporary Psychology: APA Review of Books
8. Journal of Experimental Psychology: General

➤ **Additional readings:**

1. Journal of Personality and Social Psychology
2. Journal of the American Academy of Child & Adolescent Psychiatry
3. Annual Review of Psychology
4. Australian Journal of Educational and Developmental Psychology

➤ **Medium of Instruction: Marathi/ English**

➤ **Library and laboratory equipment's:**

1. Psychological Inventories
2. Psychological Apparatus
3. Psychology Lab
4. Sample Research Projects
5. Reference Books

B.A. PART: I- PSYCHOLOGY (MAJOR)
MAJOR MANDATORY: DISCIPLINE SPECIFIC COURSE (DSC)
PSYCHOLOGY MAJOR COURSE: IV
INTRODUCTION TO CRIMINAL PSYCHOLOGY
SEMESTER-II

Subject Code: MMPSY01204

Credit: 02

(To be implemented from June 2023 Onwards)

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➤ **Preamble:** This paper is specially designed to cater to the students by imparting knowledge about criminal psychology. Criminal Psychology is an interdisciplinary field focused on the interplay between individuals and their surroundings. The criminal psychology of B. A. Part-I can bitterly understand all the latest concepts in psychology in brief but in an adequate manner. The Choice-Based Credit and Grading System to be implemented through this curriculum will help students develop an interest in criminal psychology. The course is designed to introduce to the students about all these aspects of criminal psychology. The students pursuing this course will be helped to understand the biological roots of crime. The students pursuing this course also will be helped to understand the psychological, social, and environmental roots of crime.

➤ **Objectives:**

1. To make the students familiar with the introduction of criminal psychology.
2. To acquaint the students with the definition, study methods and classification of crime.
3. To acquaint the students with the biological roots of crime.
4. To acquaint the students with the psychological roots of crime.
5. To introduce students to the social roots of crime.
6. To introduce students to the environmental roots of crime.

➤ **Outcomes:** After studying the course the student will be able to ...

1. CO-1: Understand the criminal Psychology.
2. CO-2: Understand the definition, study methods and classification of crime.
3. CO-3: Understand the biological roots of crime.
4. CO-4: Understand the psychological roots of crime.
5. CO-5: Understand the social roots of crime.
6. CO-6: Understand the environmental roots of crime.

➤ **Expected Skills impartation (Through theory and practicals):**

1. Understanding skill
2. Comprehension skill
3. Analytical skill
4. Comparison skill

Module	No. of credits
Biological Roots of Crime	01
Psychological, Social and Environmental Roots of Crime Biological Roots of Crime	01

Module No.	Contents	Distribution of Credit	Periods	CoS
1	Module1: Biological Roots of Crime 1.1. What is Crimes? 1.2. The Classification of Crimes 1.3. Methods for Studying Criminal Behavior 1.4. Biological Roots of Crime a) Physical Appearance and Crime b) Evolution and Crime c) Genes and Crime d) Crime and the Brain	1	15	CO1 CO2 CO3

	e) Hormones and Crime f) Alcohol, Drugs, and Crime			
2	Module- II. Psychological, Social and Environmental Roots of Crime 2.1. Psychological Roots of Crime a) Personality and Crime b) Traits and Crime c) Psychodynamics and Crime d) Learning and Crime e) Cognition and Crime 2.2. Personality Disorders and Crime 2.3. Social Roots of Crime a) Social Origins of Human Aggression and Violence b) Social Cognition, Social Behavior, and Crime 2.4. The Environmental Roots of Crime a) The Ecology of Crime	1	15	CO4 CO5 CO6

Practical work: Case Study / Field Survey / Field Visits / Project: 1. Power point presentation on any syllabus related topic. 2. Project on Causes, Effect and Psychological Treatment of criminal behaviour. 3. Home Assignment 4. Online/ Offline Unit Class Test 5. Case Study	CO1-6
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➤ **Reference Books:**

a) **Basic Reading:**

- Elaine Cassel, Douglas A. Bernstein. (2007). *Criminal behavior*, Second Edition, London, Lawrence Erlbaum Associates, Publishers

b) References:

- Dennis Howitt_ Dawsonera (2009). *Introduction to forensic and criminal psychology*. Pearson Education.
- Grover Maurice Godwin (2000). *Criminal Psychology and Forensic Technology:A Collaborative Approach to Effective Profiling*-CRC Press.
- Howitt, Dennis.(2007). *Introduction to forensic and criminal psychology*. Pearson Education . UK
- Howitt, Dennis.(2017). *Introduction to forensic and criminal psychology*. Pearson Education UK .
- Laurence Miller. (2012). *Criminal Psychology: Nature, Nurture, Culture*-Charles C Thomas Pub Ltd.
- Richard N. Kocsis (editor). (2009). *Applied Criminal Psychology: A Guide to Forensic Behavioral Sciences*-Charles C. Thomas.
- Russil Durrant.(2018). *An Introduction to Criminal Psychology*. Routledge

➤ Research Journals

1. Journal of Forensic Sciences
2. Journal of Criminal Justice and Behavior
3. The Journal of Interpersonal Violence

➤ Additional readings:

1. The Journal of Forensic Psychiatry & Psychology
2. Psychology, Crime & Law

➤ Medium of Instruction: Marathi/ English**➤ Library and laboratory equipment's:**

1. Psychological Inventories
2. Psychological Apparatus
3. Psychology Lab
5. Reference Books

B.A. PART: I- PSYCHOLOGY (MAJOR)
PSYCHOLOGY MINOR COURSE: I
MINOR: I
INTRODUCTION TO SPORT PSYCHOLOGY
SEMESTER-II

Subject Code: MNPSY01201

Credit: 02

(To be implemented from June 2023 Onwards)

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➤ **Preamble:** This paper is specially designed for foundation building of the students by imparting knowledge about basic sports psychology. The Introduction to sports psychology this paper was developed as a minor-level degree for other than psychology students. The Choice-Based Credit and Grading System to be implemented through this curriculum will help students develop an interest in sports psychology. The students pursuing this course will be helped to develop an understanding the Personality, Self-Confidence in Sports. The students pursuing this course will help to understand Motivation and Emotion in Sports. The objective of this course is to personality in sports, Understand self-confidence, Self-efficacy theory, and self-confidence and sports performance. Another objective of this course is to introduce the understanding of motivation, achievement goals, Self-determination theory, Theories of emotion, Emotion, and performance.

➤ **Objectives:**

1. To introduce students to sports psychology.
2. To make the students familiar with the Personality.
3. To acquaint the students with Self-Confidence in Sports.
4. To acquaint the students with emotion in sports.
5. To acquaint the students with motivation in sports.

➤ **Outcomes:** After studying the course the student will be able to ...

1. CO-1: Interest in the study of Psychology.
2. CO-2: Understanding of basic principles of Personality.
3. CO-3: Understanding the Self-Confidence in Sports.
4. CO-4: Understanding of the emotion in sports.
5. CO-5: Understand the motivation in sports.

➤ **Expected Skills impartation (Through theory and practicals):**

1. Understanding skill
2. Comprehension skill
3. Analytical skill
4. Comparison skill

Module	No. of credits
Personality, Self-Confidence in Sport	01
Motivation and Emotion in Sport	01

Module No.	Contents	Distribution of Credit	Periods	CoS
1	<p>Module1: Personality, Self-Confidence in Sport</p> <p>1.1 Understanding Personality</p> <p>a) Definition of Personality</p> <p>b) Models of Personality Structure</p> <p>1.2 Personality in Sport</p> <p>a) Personality and Sport Performance</p> <p>b) Personality and Participation in Sport</p> <p>c) Population-based differences</p> <p>1.3. Understanding self-confidence and Self-efficacy theory</p> <p>a) Definition of Self-Confidence</p> <p>b) Determinants of self-efficacy</p> <p>c) Consequences of self-efficacy</p> <p>1.4. Self-Confidence And Sport</p>	1	15	CO1 CO2 CO3

	<p>Performance</p> <p>a) Athlete confidence b) Team confidence c) Coach confidence d) Building confidence</p>			
2	<p>Module- II. Motivation and Emotion in Sport</p> <p>2.1. Understanding motivation and Achievement goals</p> <p>a) Definition of Motivation b) Achievement goal frameworks c) Measuring achievement goals d) Motivational climate</p> <p>2.2. Self-determination theory</p> <p>2.3. Understanding emotion and Theories of emotion</p> <p>a) Definition of Emotion b) Lazarus’s cognitive-motivational-relational theory c) Individual zones of optimal functioning</p> <p>2.4. Emotion and performance</p> <p>a) Emotions and athletic performance b) Controlling emotions</p>	1	15	CO4 CO5

<p>Practical work: Case Study / Field Survey / Field Visits / Project:</p> <p>1. Power point presentation on any syllabus related topic. 2. Project on any sport psychologist. 3. Project on any sport events. 4. Project on any sportsman 5. Home Assignment 6. Online/ Offline Unit Class Test 7. Case Study</p>	CO1-7
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➤ **Reference Books:**

a) **Basic Reading:**

- Mark, Allen, Paul McCarthy, & (2014). *Sport Psychology*, 1st Edition, United Kingdom: Pearson Education Limited.

b) **References:**

- Britton, W. Brewer. (2009). *Handbook of Sports Medicine and Science: Sport Psychology*, 1st Edition, Malaysia: Blackwell Publishing.
- Ellis, Cashmore. (2008). *Sport and Exercise Psychology*, 1st Edition, New York, Routledge.
- Timothy Chandler, Mike Cronin & Wray Vamplew .(2007). *Sport Psychology: The Key Concepts*. 2nd t Edition, New York, Routledge.
- Arnold, Leunes..(2011). *Introducing Sport Psychology : A Practical Guide*. 2nd t Edition, London, Icon Books Ltd.

➤ **Research Journals**

1. International Review of Sport and Exercise Psychology
2. American Journal of Sports Medicine
3. Sport, Exercise, and Performance Psychology
4. British Journal of Sports Medicine

➤ **Additional readings:**

1. Psychology of Sport and Exercise
2. Sports science journal

➤ **Medium of Instruction: Marathi/ English**

➤ **Library and laboratory equipment's:**

1. Psychological Inventories
2. Psychological Apparatus
3. Psychology Lab
4. Sample Research Projects
5. Reference Books

B.A. PART: I- PSYCHOLOGY (MAJOR)**OPEN ELECTIVE COURSE (OE): II****PRINCIPLES OF HYPOTHESIS AND EXPLANATION****SEMESTER-II****Subject Code: OESNM01202****Credit: 02****(To be implemented from June 2023 Onwards)**

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- **Preamble:** This paper is specially designed to cater to the students by imparting knowledge about scientific methods. The students pursuing this course will be helped to expose the inventions in science and their impact on human life and society. The students pursuing this course would have to develop scientific temperament, attitude, and its impact on human life. They will also have to develop an understanding of the basics of hypothesis, information, laws, and scientific explanation. The objective of this course is to introduce the concepts such as hypotheses, information, laws, and scientific explanation. The students pursuing this course will be helped to develop scientific temperament, attitude, and its impact on human life. They will also have to develop an understanding of scientific attitude, communication, and information technology, and awareness about population control. The objective of this course is to introduce the concepts such as scientific attitude, communication and information technology, and awareness about population control. The board of studies has briefly mentioned the foundation, core, and applied components of the course/paper. The student should get into the prime objectives and expected level of study with the required outcome in terms of basic and advanced knowledge at the examination level.
- **Objectives:**
1. To makes the students familiar with the hypothesis.
 2. To acquaint the students with importance of hypothesis.

3. To acquaint the students with Laws.
 4. To introduce students to the Scientific Explanation.
 5. To acquaint the students with Scientific Attitude.
 6. To introduce students familiar with the science of health.
 7. To acquaint the students with Computer Education.
 8. To acquaint the students with communication and information technology.
 9. To introduce students with the use and importance of computer.
- **Outcome:** After studying the course the student will be able to ...
1. CO1: Understanding of hypothesis.
 2. CO2: Understand the importance of hypothesis.
 3. CO3: Understanding of information, laws and scientific explanation.
 4. CO4: Understand the Scientific Explanation.
 5. CO5: Awareness about Scientific Attitude.
 6. CO6: Understanding of the science of health.
 7. CO7: Awareness about Computer Education.
 8. CO8: Understanding of communication and information technology.
 9. CO9: Understanding of the use and importance of computer.
- **Expected Skills impartation (Through theory and practicals):**
1. Understanding skill
 2. Comprehension skill
 3. Analytical skill
 4. Comparison skill

Module	No. of credits
Hypothesis	01
Laws and Scientific Explanation	01

Module No.	Contents	Distribution of Credits	Periods	CoS
1	Module:1: Hypothesis 1.1. Definition and nature of hypothesis and Importance of hypothesis 1.2. Conditions of valid hypothesis 1.3. Verification of hypothesis 1.4. Proof of hypothesis	1	15	CO1 CO2
2	Module:2: Laws and Scientific Explanation 2.1. Meaning of Law and Kinds of Laws 2.2. Kinds of Laws of Nature 2.3. Nature of Scientific Explanation, Popular and Scientific explanation 2.4. Definition and Kinds of Scientific explanation and Explanation of facts and laws	1	15	CO3 CO4
3	Module:3: Scientific Attitude 3.1. Nature and importance of Scientific Attitude 3.2. Ecological Balance, & Population Control 3.3. Scientific attitude towards water consumption 3.4. Science for Health, AIDS and COVID Awareness,	1	15	CO5 CO6
4	Module:4: Computer Education 4.1. Definition and Nature of Computer 4.2. Hardware and Software 4.3. Parts of Computer, Generation of Computer, Types of Computer and Computer Virus 4.4. Uses and importance of Computer and	1	15	CO7 CO8 CO9

	Internet in various fields			
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<p>Practical work: Case Study / Field Survey / Field Visits / Project:</p> <ol style="list-style-type: none"> 1. Power point presentation on any syllabus related topic. 2. Project on any environmental issues. 3. Project on any scientist's Work 4. Home Assignment 5. Online/ Offline Unit Class Test 6. Case Study 	CO1-4
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➤ **Reading Books:**

- डॉ. दाभोळे, ज., रा. (२०१०). वैज्ञानिक पद्धती (प्रथम आवृत्ती). कोल्हापूर, फडके प्रकाशन.
- प्रा. देशमुख, एल., जी. (२०००). वैज्ञानिक पद्धती (प्रथम आवृत्ती). पुणे, निराली प्रकाशन.

➤ **Reference Books:**

- Cohen and Nagel : *An Introduction to Logic and Scientific Method*
- Wolf: *Essentials of Scientific Method*
- Korade, Sawant : *Science and Scientific Method*
- K. T. Basantani : *Introduction to Logic*
- M.G. Patkar : *A.B.C. of Computer*
- Arain Mounal : *AIDS Education for student youth*
- Hirve, Pitake, Nargare, Mrs. Patankar: *Scientific Method: Shivaji University Publication*
- वाडेकर आणि हरोलीकर: *तर्कशास्त्र आणि वैज्ञानिक पद्धती*
- श्री. ह. दीक्षित: *तर्कशास्त्र*
- प्रा. हरवे, प्रा. नांगरे, प्रा. पिटके, प्रा. फरतारे, प्रा. वाघमोडे आणि प्रा. चौगुले: *वैज्ञानिक पद्धती: शिवाजी विद्यापीठ, कोल्हापूर*
- काळे, कावळे आणि हुल्याळकर: *तर्कशास्त्र आणि वैज्ञानिक पद्धती*
- शशिकांत वाकरे: *कॉम्प्युटरचा वाटाड्या*
- डॉ. प्रमोद जोगळेकर: *जैव-तंत्रज्ञान*

➤ E-Content

- विज्ञान आणि त्याचे स्वरूप: <https://youtu.be/vffUu3lLjhA>
- व्यावहारिक ज्ञान आणि विज्ञान: <https://youtu.be/YyCcEFmpekC>
- कारणाचे स्वरूप: <https://youtu.be/hL4XwzgPeRQ>
- पर्यावरणाचे स्वरूप: https://youtu.be/xR-UmBovr_8
- शुद्ध शास्त्रे आणि उपयोजित शास्त्रे: <https://youtu.be/Ly-6Vlw6ftA>
- पर्यावरण अर्थ आणि त्याचे प्रकार: <https://youtu.be/sZkYQzRvPiA>
- पर्यावरणाचे महत्व : https://youtu.be/xR-UmBovr_8
- पर्यावरणाची व्याप्ती: https://youtu.be/xR-UmBovr_8
- पर्यावरण प्रश्नावली : <https://youtu.be/YGbgoSkmbIw>

➤ Research Journals

1. International Journal of Qualitative Studies in Education
2. International Journal of Research & Methods in Education
3. International Journal of Social Research Methodology
4. International Review of Qualitative Research
5. Journal of Educational & Behavioral Statistics
6. Journal of Educational Computing Research
7. Journal of Experimental Education
8. Journal of Multidisciplinary Evaluation (DOAJ, open access)
9. Journal of Psycho-educational Assessment

➤ Additional readings:

1. Journal of Psychopathology and Behavioral Assessment
2. Journal of Statistical Software (DOAJ, open access)
3. Journal of Statistics Education (DOAJ, open access)
4. Journal of the American Statistical Association
5. Journal of the Royal Statistical Society. Series B. Statistical Methodology
6. Linguistics and Education

7. Measurement: interdisciplinary research and perspectives
8. Measurement & Evaluation in Counseling & Development
9. Methodological Innovations (DOAJ, open access)

➤ **Medium of Instruction: Marathi/ English**

➤ **Library and laboratory equipment's:**

1. Reference Books (Departmental Library)

B.A. PART: I- PSYCHOLOGY (MAJOR)**OPEN ELECTIVE COURSE (OE): II****APPLICATIONS OF SCIENCE AND TECHNOLOGY IN INDIA****SEMESTER-II****Subject Code: OESTD01202****Credit: 02****(To be implemented from June 2023 Onwards)**

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➤ **Preamble:** This paper is specially designed to cater to the students by imparting knowledge about Communication and Information Technology. The Communication and Information Technology students of B. A. Part-I can bitterly understand all the latest concepts in Science, Technology, and Development in brief but in an adequate manner. The students pursuing this course will be exposed to the inventions in science and Technology and their impact on human life, give knowledge of science and technology and their impact on social and cultural development, and acknowledgment of Science and Technology to the students of Arts. They will develop an understanding of the latest concepts in science technology and development, disaster management, communication, and information technology. The objective of this course is to introduce the latest concepts in Science, Technology and Development, disaster management, and communication. Another, objective of this course is to introduce the latest concepts in Science, Technology and Development, space and ocean research, defense, and agriculture.

➤ **Objectives of the Course:**

1. To acquaint the students with fundamental concepts of science, technology, and development.
2. To make the students familiar with Science and Technology.
3. To acquaint the students with earthquakes, Floods, droughts, fires, Accidents, and Crowds as disasters.

4. To introduce students to the various types of disasters and their management.
5. To introduce students to the communication and information technology.
6. To introduce students to the use and importance of computers and the Internet.
7. To acquaint the students with information technology and artificial intelligence.
8. To acquaint the students with Science and Technology in Space Research.
9. To acquaint the students with Ocean Research
10. To introduce students to the development of science and technology in India's Defence.
11. To introduce students to the development of science and technology in India's Agriculture.

➤ **Outcome of the Course:** After studying the course the student will be able to

1. CO1: Understanding of latest concepts in Science, Technology and Development.
2. CO2: Understanding the Science and Technology.
3. CO3: Understanding the earthquakes, Floods, droughts, fires, Accidents, and Crowds as disasters.
4. CO4: Understanding the types .of disasters and their management
5. CO5: Understanding the communication and information technology.
6. CO6: Understanding the use and importance of computers and the Internet.
7. CO7: Understanding the information technology and artificial intelligence.
8. CO8: Understanding and Application of Science and Technology in Space Research.
9. CO9: Understanding Ocean Research..
10. CO10: Understanding the development of science and technology in India's Defence.
11. CO11: Understanding the development of science and technology in India's Agriculture.

➤ **Expected Skills impartation (Through theory and practicals):**

1. Understanding skill
2. Comprehension skill

3. Analytical skill
4. Comparison skill

Module	No. of credits
Disaster Management	01
Means of Communication and Information Technology	01

Module No.	Contents	Distribution of Credits	Periods	CoS
1	Module :I: Disaster Management 1.1 Disaster: Concept and Nature 1.2 Earthquake & Fire 1.3 Flood & Drought 1.4. Accident & Crowd	1	15	CO1 CO2 CO3 CO4
2	Module :II: Means of Communication and Information Technology 2.1 A Brief History of Communication and Information Technology 2.2 Origin, Development and Importance of Computer 2.3 Types of Computer, Computer Mechanism and Operating System 2.4. Computer Network , Internet, Computer Viruses	1	15	CO5 CO6 CO7
3	Module :3: Science Technology in Space Research and Ocean Research 3.1 Beginning of Satellite Era in the World 3.2 Rocket Technology	1	15	CO5

	3.3 Artificial Satellite :Types and Usages 3.4 Satellite Programme of India & Importance of Oceanic Study and Progress of Indian Oceanic Research			CO6 CO7
4	Module: 4: Science Technology in India's Defence and Agriculture 4.1 Science Technology in National Defence and Defence Research and Development Organization (DRDO) 4.2 New Technology in Irrigation System, Chemical and Bio Fertilizers 4.3. Modern equipment's in agriculture 4.4. Plant Protection Methods and Modern agro-technologies	1	15	CO5 CO6 CO7

Practical work: Case Study / Field Survey / Field Visits / Project:			
1. Power point presentation on any syllabus related topic. 2. Project on any manmade and natural issues. 3. Project on any scientists 4. Home Assignment 5. Online/ Offline Unit Class Test 6. Case Study			CO1-7

➤ **Reading Books:**

- पवार जयसिंगराव, आणि सूर्यवंशी निशांत: विज्ञान, तंत्रज्ञान आणि प्रगती. कोल्हापूर, फडके प्रकाशन
- पाटील हरिश्चंद्र, घस्ते अनिल, पाटील अरुण, माने देशमुख रामराजे: विज्ञान, तंत्रज्ञान आणि प्रगती, पुणे, निराली प्रकाशन

➤ **Reference Books:**

- Annual Review of Information Science and Technology (ARIST) 39. By Blaise Cronin, Information Today, 2004.
- Encyclopedia of Computer Science and Technology (Facts on File Science Library): Import, 15 Jan 2009
- Encyclopedia of Space Science and Technology, Wiley Online Library.
- Indian Ocean Research Volumes: Geopolitical Orientations, Regionalism and Security in the Indian Ocean (Routledge Revivals), Dennis Rumley, Sanjay Chaturvedi (Editor) 2015
- Disaster Management in India, Kadambari Sharma and Chiranjeev Avinash, Jnanda Prakashan, 2010.
- Bagila A.V. (Ed1972) *Science and Society*, Lavani Publication House,
- Butle J.A.V, *Science and Human Life*, London Pergamon Press.
- Encyclopaedia Britannica.
- Flower W.S, (1962). *The Development of Scientific Method*, London, Pergamon Press.

➤ **मराठी पुस्तके**

- विज्ञानाचा समाज धारणेवरील परिणाम – दीक्षित कमलाकर, समाज प्रबोधन संस्था
- शास्त्रीय विचार पद्धती - अ. भि. शहा, समाज प्रबोधन संस्था
- जीवनाभिमुख विज्ञान – शिवाजी विद्यापीठ प्रकाशन
- वैज्ञानिक अभ्यासाची गाथा- शिवाजी विद्यापीठ प्रकाशन
- डॉ. दाभोळे, ज., रा. (२०१०). *वैज्ञानिक पद्धती (प्रथम आवृत्ती)*. कोल्हापूर, फडके प्रकाशन.
- प्रा. देशमुख, एल., जी. (२०००). *वैज्ञानिक पद्धती (प्रथम आवृत्ती)*. पुणे, निराली प्रकाशन.
- मराठी विश्वकोश

➤ **Websites:**

- e-PG Pathshala: <https://epgp.inflibnet.ac.in/>
- MOOCS - NPTEL: <https://nptel.ac.in/>
- MOOCS - SWAYAM: <https://swayam.gov.in/>

- National Digital Library of India: <https://ndl.iitkgp.ac.in/>
- Shivaji University Library (E-Resources):
<http://www.unishivaji.ac.in/library/E-Resources>

➤ **Research Journals**

1. International Journal of Qualitative Studies in Education
2. International Journal of Research & Methods in Education
3. International Journal of Social Research Methodology
4. International Review of Qualitative Research
5. Journal of Educational & Behavioral Statistics
6. Journal of Educational Computing Research
7. Journal of Experimental Education
8. Journal of Multidisciplinary Evaluation (DOAJ, open access)
9. Journal of Psycho-educational Assessment

➤ **Additional readings:**

1. Journal of Psychopathology and Behavioral Assessment
2. Journal of Statistical Software (DOAJ, open access)
3. Journal of Statistics Education (DOAJ, open access)
4. Journal of the American Statistical Association
5. Journal of the Royal Statistical Society. Series B. Statistical Methodology
6. Linguistics and Education
7. Measurement: interdisciplinary research and perspectives
8. Measurement & Evaluation in Counseling & Development
9. Methodological Innovations (DOAJ, open access)

➤ **Medium of Instruction: Marathi/ English**

➤ **Library and laboratory equipment's:**

1. Reference Books (Departmental Library)

B.A. PART: I- PSYCHOLOGY (MAJOR)
VOCATIONAL SKILL COURSE (VSC): II
APPLICATION OF IMMEDIATE AND MEDIATE INFERENCE
SEMESTER-II

Subject Code: VSCPSY01202

Credit: 02

(To be implemented from June 2023 Onwards)

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- **Preamble:** This paper is specially designed to cater to the students by imparting knowledge and vocational skills about deductive logic. Logic is the important tool to develop critical thinking. When used in arguments and decision making, deductive reasoning is used as a guideline to present factual evidence. Deductive reasoning allows them to apply the theories to specific situations. Logic study will student to develop analytical soft skills. The students pursuing this course will understand the nature and scope of immediate inference and mediate inference. The objective of this course is to introduce the latest knowledge and skills about inference.
- **Objectives Course:**
1. To introduce students to the inferences.
 2. To acquaint the students with the nature and scope of immediate inference.
 3. To acquaint the students with the application of immediate inference in life.
 4. To acquaint the students with the nature and scope of mediate inference.
 5. To acquaint the students with the application of mediate inference in life.
 6. To introduce students to the syllogism and dilemma..
- **Outcome:** After studying the course the student will be able to ...
1. CO-1: Understanding the inferences concept.
 2. CO-2: Understanding the nature and scope of immediate inference
 3. CO-3: Application of immediate inference in life
 4. CO-4: Understanding the nature and scope of mediate inference.
 5. CO-5: Application of mediate inference in life.
 6. CO-6: Understanding the syllogism and dilemma.

➤ **Expected Skills impartation (Through theory and practicals):**

1. Implanting analytical thinking.
2. Providing applications of theories in practical.
3. Understanding skill
4. Comprehension skill
5. Analytical skill
6. Comparison skill

Module	No. of credits
Nature and scope of Logic	01
Classification of Propositions	01

Module No.	Contents	Distribution of Credits	Periods	CoS
1	Module:1: Immediate Inference 1.1. Oppositions of prepositions 1.2. Education - Conversion and Observation	1	15	CO1- CO3
2	Module:2: Mediate Inference 2.1.Categorical syllogism – Nature, general rules, figures and moods 2.2.Mixed Hypothetical Syllogism – rules, kinds and fallacies 2.3.Dilemma - nature, structure types, sources of fallacies in a dilemma, Refutation and rebuttal of dilemma	1	15	CO4- CO6
Practical Work: 1. Power point presentation on any syllabus related topic. 2. Project on any Philosopher's Work 3. Home Assignment 4. Online/ Offline Unit Class Test 5. Project on Applications of Deductive Logic in Life				CO1 To CO6

➤ **Reference Books:**

1. Dikshit, Shrinivas (1967), *Tarkshashtra*. Kolhapur: Maharashtra Granth Bhandar
2. Hulyalkar, S. G.; Kale S. V.; Kawale, S. R.(1959), *Sugam Tarkashastra aani vaidnyanik padhatti*. Pune :AnaathVidyarthiGruhaPrakashan.
3. Hurley, P., & Watson, L.(2018), *A Concise Introduction to Logic*. Delhi: Wadsworth
4. Kadam, Mukund (1969),*Sulabh Trkshastra*. Satara: Ravil Publication
5. Khandagale, Chandraknt (2015), *Nigami Tarkshashtra*. Sangali: Sau. Mayadevi Khandagale
6. Pataskar,N.(1968), *Tarkshastra*. Kolhapur: Maharashtra Granth Bhandar
7. Phadke, N. C.; (1959), *Tarkshastra aani vaidnyanik padhatti*. Pune :Deshmukh Prakashan

➤ **Suggested Research Journal:**

1. Journal of Philosophical Logic, Springer
2. Journal of Logic and Computation, Oxford Academic
3. Logic journal of IGPL, Oxford Academic
4. The Journal of Symbolic Logic, JSTOR
5. Journal of Applied Logic, Science Direct
6. History and Philosophy of Logic, Taylor & Francis Online

➤ **Medium of Instruction :**Marathi / English

➤ **Library and laboratory equipment's:**

1. Reference Books (Departmental Library)

**B.A. PART: I- PSYCHOLOGY (MAJOR)
SKILL ENHANCEMENT COURSE (SEC): II**

FUNDAMENTALS OF MINDFULNESS

SEMESTER-II

Subject Code: SECPSY01202

Credit: 02

(To be implemented from June 2023 Onwards)

➤ **Preamble:** This paper is specially designed to cater to the foundation building of the students by imparting knowledge about mindfulness skills. The Choice-Based Credit and Grading System to be implemented through this curriculum will help students develop an interest in mindfulness. The students pursuing this course will help them understand the mindfulness process and mindfulness therapies. They will also have help with understanding mental health and mindfulness. The objective of this course is to introduce the concepts such as the definition, characteristics, and foundations of mindfulness, mindfulness-based cognitive therapy, mindfulness-based stress reduction and acceptance, and commitment therapy. Another, objective of this course is to understand the flow and mental health, Maslow and self-actualization, mental health and well-being, mindfulness and the spectrum of health and health, self-knowledge, and suffering.

➤ **Objectives:**

1. To make the students familiar with the skills of mindfulness.
2. To understand the scope of mindfulness and its process.
3. To acquaint the students with the importance of mindfulness in daily life.
4. To develop core skills for mindfulness therapies.
5. To introduce students to the understanding of the importance of mindfulness and mindfulness therapies.

6. To introduce students familiar with mental health and mindfulness.

➤ **Outcomes: After studying the course the student will be able to ...**

1. CO-1: Understanding of skills of mindfulness.
2. CO-2: Understanding the scope of mindfulness and its process.
3. CO-3: Understanding the importance of mindfulness in daily life.
4. CO-4: Development skills for mindfulness therapies.
5. CO-5: Understanding the importance of mindfulness and mindfulness therapies.
6. CO-6: Understanding mental health and mindfulness.

➤ **Expected Skills impartation (Through theory and practicals):**

1. Understanding skill
2. Comprehension skill
3. Analytical skill
4. Comparison skill

Module	No. of credits
Understanding Mindfulness and Mindfulness Therapies	01
Mental health and Mindfulness	01

Module No.	Contents	Distribution of Credit	Periods	CoS
1	Module :I: Understanding Mindfulness and Mindfulness Therapies 1.1. Definition, Characteristics and foundations of mindfulness 1.2. Mindfulness-based cognitive therapy (MBCT) 1.3. Mindfulness-based stress reduction (MBSR) 1.4. Acceptance and commitment therapy (ACT)	1	15	CO1

2	Module :II: Mental health and Mindfulness	1	15	CO3
	1.1. Flow and mental health, Maslow and self-actualisation			
	1.2. Mental health and well-being			
	1.3. Mindfulness and the spectrum of health			
	1.4. Health, self-knowledge and suffering			

Practical work: Case Study / Field Survey / Field Visits / Project:	CO1-3
1. Power point presentation on any syllabus related topic.	
2. Project on Application of Mindfulness.	
3. Home Assignment	
4. Online/ Offline Unit Class Test	
5. Case Study	

➤ **Reference Books:**

a) **Basic Reading:**

- Chris, Mace. (2008). *Mindfulness and Mental Health: Therapy, theory and science (First Impression)*, Canada, Routledge.

b) **References:**

- Martin, Heidegger. (2008). *Mindfulness*. London, Continuum International Publishing Group.
- Brian D. Ostafin, Michael D. Robinson & Brian P. Meier.(2000). *Handbook of Mindfulness and Self-Regulation*. New York, Springer Science.
- Fabrizio, Didonna.(2009). *Clinical Handbook of Mindfulness*. New York, Springer Science.
- Steven C. Hayes, Victoria M. Follette, Marsha M. Linehan.(2004). *Mindfulness and Acceptance*. New York, A Division of Guilford Publications, Inc.

➤ **Research Journals**

1. My Mindful Mind journal
2. Press Pause mindfulness journal

c) **Additional readings:**

1. Joy Wellness journal
2. The Betterday journal

➤ **Medium of Instruction: Marathi/ English**

➤ **Library and laboratory equipment's:**

1. Psychological Inventories
2. Psychological Apparatus
3. Psychology Lab
4. Reference Books

B.A. PART: I-PSYCHOLOGY (MAJOR)
VALUE EDUCATION COURSE (VEC): II
PERSONALITY DEVELOPMENT SKILLS
SEMESTER-II

Subject Code: VECPSY01202

Credit: 02

(To be implemented from June 2023 Onwards)

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- **Preamble:** This paper is specially designed to cater to the foundation building of the students by imparting knowledge about personality development. The Choice-Based Credit and Grading System to be implemented through this curriculum will help students develop an interest in personality and their development process. The students pursuing this course will be to help their Self-Development Skills. They will help to develop interpersonal skills. The objective of this course is to introduce self-esteem and Self-Confidence, thinking and Problem-Solving Skills, stress management, SWOT analysis, and goal-Setting. The objective of this course is to acquaint the students with hard skills and soft skills, effective communication, skills for a successful interview, leadership, and social empathy.
- **Objectives:**
1. To understand the scope of personality and its development.
 2. To develop core skills for development of self.
 3. To cultivate interpersonal skills for successful life.
- **Outcomes:** After studying the course the student will be able to ...
1. CO-1: Understanding of personality and its development.
 2. CO-2: Understanding the core skills for development of self.
 3. CO-3: Understanding the interpersonal skills for successful life.

➤ **Expected Skills impartation (Through theory and practicals):**

1. Understanding skill
2. Comprehension skill
3. Analytical skill
4. Comparison skill

Module	No. of credits
Self-Development Skills	01
Interpersonal Skills	01

Module No.	Contents	Distribution of Credit	Periods	CoS
1	Module-I: Self-Development Skills 1.1. Introduction to Personality 1.2. Self-Esteem and Self-Confidence 1.3. Thinking and Problem Solving Skills 1.4. Stress Management, SWOT Analysis and Goal-Setting	1	15	CO1 CO2
2	Module- II. Interpersonal Skills 2.1. Hard Skills and Soft Skills 2.2. Effective Communication 2.3. Skills for successful interview 2.4. Leadership, Social Empathy	1	15	CO3

Practical work: Case Study / Field Survey / Field Visits / Project: <ol style="list-style-type: none"> 1. Power point presentation on any syllabus related topic. 2. Project on personality development. 3. Home Assignment 4. Online/ Offline Unit Class Test 5. Case Study 	CO1-3
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➤ **Reference Books:**a) **Basic Reading:**

- <https://www.unishivaji.ac.in/uploads/syllabus/Home/Skill%20development%20courses%202018/Personality%20development.PDF>.

b) Research Journals

1. Journal of Research in Personality
2. Personality and Individual Differences
3. International Journal of Behavioral Development

➤ **Additional readings:**

1. Annual Review of Psychology
2. European Journal of Personality

➤ **Medium of Instruction: Marathi/ English**

➤ **Library and laboratory equipment's:**

1. Psychological Inventories
2. Psychological Apparatus
3. Psychology Lab
4. Reference Books

- **Examination Pattern: 60:40**

(60 Weightage for End Semester Examination & 40 Weightage for Continuous and comprehensive Evaluation)

- **Nature of Question Paper:**

End Semester Examination Question Paper Pattern for 60 Marks

- Instruction:** 1) All Questions are Compulsory.
2) All Questions carry equal marks.
3) Figures to the right indicate full marks.

Day and Date:

Total Marks: 60

Time: Two Hours

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Q. 1. Choose the correct alternatives from the following 15

प्रश्न १. खालीलपैकी योग्य पर्याय निवडा.

Q.2. Write short Notes (Three out of Four) 15

प्रश्न २. टीपा लिहा (चार पैकी तीन)

Q.3. Write short answer (Three out of Four) 15

प्रश्न ३. थोडक्यात उत्तरे लिहा (चार पैकी तीन)

Q.4. Answer the following question in broad. (One out of Two) 15

प्रश्न ४. खालील प्रश्नाचे सविस्तर उत्तर लिहा. (दोनपैकी एक)

End Semester Examination Question Paper Pattern for 30 Marks

- Instruction:** 1) All Questions are Compulsory.
2) All Questions carry equal marks.
3) Figures to the right indicate full marks.

Day and Date:

Total Marks: 30

Time: One Hours

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Q. 1. Choose the correct alternatives from the following 08

प्रश्न १. खालीलपैकी योग्य पर्याय निवडा.

Q.2. Write short Notes (Two out of Three) 10

प्रश्न २. टीपा लिहा (तीन पैकी दोन)

Q.4. Answer the following question in broad. (One out of Two) 12

प्रश्न ४. खालील प्रश्नाचे सविस्तर उत्तर लिहा.(दोन पैकी एक)

• CCE (Continuous and comprehensive Evaluation):

1.1 Activities 40 Marks: For major paper of 4 credit


1. Project - 20 Marks
2. Online Class Test - 10 Marks
3. Oral -10 Marks

1.2 Activities 40 Marks: For OE & Other 4 Credit

1. Home Assignment - 10 Marks
2. Online Class Test - 10 Marks
1. Subject Specific Activity-20 Marks

1.3 Activities 20 Marks:

1. Subject Specific Activity (All two credit papers Except CC) - 20 Marks


Head
Department of Psychology
Chhatrapati Shivaji College, Satara
(Autonomous)

