

Shri Govind Guru University

(Established by Government of Gujarat Vide Gujarat Act no 24/2015)



**Faculty of Arts master
of Arts**

Syllabus of Psychology

(NEP-2020 Programme)

M.A.Semester-1

For two year P. G. Degree

**Effective from June-
2026-2027**

Website: www.sggu.ac.in

Course Name-Master of Arts													
Semester-1(two year P.G. course)													
Subject: Psychology													
Sr. No.	Subject Code	Paper/SubjectNamein English	Course Type	Internal Marks		Credit (Internal)	External Marks		Credit (External)	Total Marks		Paper Duration	Practical Duration
				Theory	Practical		Theory	Practical		Theory	Practical		
1	DSC-1	RESEARCHMETHODSAND STATISTICSIN PSYCHOLOGY-I	Discipline Specific Core Course -1	30	NIL	4	70	NIL	4	100	NIL	3.00hr	NIL
2	DSC-1	ABNORMAL PSYCHOLOGY-I	Discipline Specific Core Course -2	30	NIL	4	70	NIL	4	100	NIL	3.00hr	NIL
3	DSC-1	ADVANCED EXPERIMENTAL PSYCHOLOGY	Discipline Specific Core Course -3	30	NIL	4	70	NIL	4	100	NIL	3.00hr	NIL
4	DSE-1	INDUSTRIAL PSYCHOLOGY	Discipline Specific Elective Course -1	30	NIL	4	70	NIL	4	100	NIL	3.00hr	NIL
5	DSE-2	COUNSELLING PSYCHOLOGY	Discipline Specific Elective Course -2	30	NIL	4	70	NIL	4	100	NIL	3.00hr	NIL
6	SEC	Positive psychology	SEC-Skill Enhancement Course	15	NIL	2	35	NIL	2	50	NIL	2.00hr	NIL
	TOTAL			165		22	370		22	550			

SHRIGOVINDGURUUNIVERSITY, GODHRA
Master of Arts(PG)Subject PsychologySyllabusStructureNEP-
2020Credit Structure M.A.SEMESTER – I for two year P.G.
Course
FromJune-2026-2027

M.A. Semester	Course Types	Paper Number/code	Paper Name	Remarks
	Semester-6			
I	Discipline Specific Core Course- DSC-	DSC-1	RESEARCH METHODS AND STATISTICSINPSYCHOLOGY-I	04Credit
		DSC-1	ABNORMAL PSYCHOLOGY-1	04Credit
		DSC-1	ADVANCE EXPERIMENTAL PSYCHOLOGY	04Credit
	Discipline Specific Elective Course- DSE-	DSE-1	INDUSTRIAL PSYCHOLOGY	04Credit
		DSE-2	COUNSELING PSCHOLOGY	04Credit
	SEC- Skill Enhancement Course SEC	SEC	POSETIVE PSYCHOLOGY	02Credits

B. A. SEMESTER 7 COURSES

BECHALAR OF ARTS (B.A.) SEMESTER – 7								
TITLE OF THE COURSE: REASEARCH METHODS AND STATISTICS PSYCHOLOGY								
Sr. No.	Course Code	Course Category	Coure Credit	Teaching Hours	Practical Hours	Internal Exam Marks	External Exam Marks	Total Marks
1	DSE-1	Discipline specific core Course	4	60	-	50	50	100

Course Objectives:	1..To study human behavior scientifically. 2. To collect accurate data. 3. To test hypothesis. 4. To establish cause and effect relationships. 5. To analyse data statistically. 6. To draw valid conclusions. 7. To predict behaviour. 8. To evaluate psychological theories. 9. To solve practical problems. 10. To contribute to psychological knowledge.
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Course Outcomes: Having Completed this Course, the Learner will be able to	
1.	Understand of scientific research process

2	Ability to formulate research problems
3.	Knowledge of research designs
4.	Skill in data collection
5.	Competence in statistical analysis
6.	Ability to interpret research finding
7	Critical evaluation of research
8	Ethical awareness in research
9	Research report writing skills
10	Evidence-based decision making

Course Content		
Unit	Description	Marks
1 Introduction to Research	Introduction to Research 1. Meaning and Definition of Research 2. Good Characteristics of Research 3. Types of Research 4 Types of Research ૧. સંશોધનનો અર્થ અને વ્યાખ્યાઓ ૨. સારા સંશોધનના લક્ષણો ૩. સંશોધનના પ્રકારો ૪ સંશોધન પ્રક્રિયાના મુખ્ય સોપાનો	20%
2 Research problems and hypothesis	A. Research Methods 1.Definition of Research Problems 2..Characteristics of Research Problems 3..The Source of Research Problems B. Research Hypothesis 1. Mining of Hypothesis 2. Varieties Types of Research Hypothesis 3.The Source of Research Hypothesis 4.Scientific Good Characteristics of	20%

	Research Hypothesis (અ)સંશોધનનીસમસ્યાઓ ૧. સંશોધન સમસ્યાની વ્યાખ્યા ૨.સંશોધન સમસ્યાના લક્ષણો ૩. સંશોધનસમસ્યાના સ્ત્રોતો (બ)સંશોધનનીઉત્કલ્પનાઓ ૧.સંશોધન ઉત્કલ્પનાની વ્યાખ્યાઓ અને સ્ત્રોતો ૨.સંશોધન ઉત્કલ્પનાનાઅલગ અલગ પ્રકારો ૩.સારી ઉત્કલ્પનાના વૈજ્ઞાનિક લક્ષણો	
3 Field and Laboratory Experiments Research	A. Field Experiments Research 1. Definition of Field Experiments in Research and Nature or Characteristics 2. Steps in Field Experiments in Research 1. Advantage and Disadvantage Field Experiments in Research B. Laboratory Experiments Research 1. Definition of Laboratory Experiments in Research Characteristics 2. Steps in Laboratory Experiments in Research 3. Advantage and Disadvantage Laboratory Experiments in Research (અ) ક્ષેત્રપ્રયોગસંશોધન ૧. ક્ષેત્રપ્રયોગ સંશોધનની વ્યાખ્યા અને તેના સ્વરૂપ અથવાલક્ષણો ૨. ક્ષેત્ર પ્રયોગ સંશોધનના સોપાનો ૩. ક્ષેત્રપ્રયોગસંશોધનનાલાભઅનેગેરલાભ (બ) પ્રયોગશાળા પ્રયોગ સંશોધન ૧. પ્રયોગશાળા પ્રયોગ સંશોધનનીવ્યાખ્યા ૨. પ્રયોગશાળા પ્રયોગ સંશોધનના સોપાનો	14%

	૩.પ્રયોગશાળા પ્રયોગ સંશોધનના લાભ અને ગેરલાભ	
4 Statistical Method	1. Correlation--Product Moment Method 1. Meaning and Computations - On raw Score - On Usumed Mean 2.Tau આંકડાશાસ્ત્રીયપદ્ધતિઓ (અ)સહસંબંધક – પ્રોડક્ટમોમેન્ટનીપદ્ધતિ ૧.સહસંબંધકનોઅર્થઅનેગણતરી - સહસંબંધકનોકાયોપ્રા (ONRAWSCORE) - ઓન ઉપયોગી મધ્યક (ON USSEMEDMEAN) ૨.ટાઉ (ટો)	20 %
5 Non- parametric tests	What are Non-parametric tests 1.Chi-Square Test 2. Mann-Whitney U Test 3. Wilcoxon Signed-Rank Test નોન-પેરામેટ્રિક (અપરિમાણીય) પરીક્ષણો શું છે? 1.. કાઈસ્કવેર પરીક્ષણ- 2.મેન વિટની યુ-પરીક્ષણ 3. વિલ્કોક્સન સાઈન્ડરેન્ક પરીક્ષણ-	20 %
	Total	100%

Teaching-Learning Methodology	Lecture & Demonstration, Assignments, Field Work – Research, Group activities – Group Discussion, Role Play, ICT – Power Point Presentation, e – learning, e – sources, seminar – workshop, symposium, online quiz (self – study)and guest – experts lecture.
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Suggested References:	
Sr. No.	Name of Reference Books:
1.	1. Anastasi, A. ((1968, Psychological Testing, Mac MillanCyompany, London. 2. KalikaJha,UGC,NET/JRF, Psychology paper 2, UpkarPrakashan Agra 2nd Edition 2013. 3. R. S. Patel, methodology of Educational Research, Jay Publication, Ahmedabad, 2nd Edition February 2014.

2.	Broota, K.D. ((1989, Experimental Design in Behavioural Wiley Eastern Limited; New Delhi. Sciences.
3.	D' Amato, M.R. ((1970, Experimental Psychology, McGraw Hill Book Company; New York.
4.	Festinger& Katz D. ((1953, Research Methods in the Behavioural Sciences, Holt, Rinehart and Winston; New York.
5.	Goode, W.J. & Hatı, r., ((1952, Method in Social Research, McGraw Hill, Kogakusha Ltd.; Tokyo.
6.	Kothari, C. R. ((1999, Research Methodology - Methods & Techniques (Ed. II), WishwaPrakashan; New Delhi.
7.	Kerlinger, F. N. ((2000, Foundations of Behavioural Research (Fifth Indian Reprint (2000, Surjeet Publication; Delhi.
8.	Mc. Guigan, F. J. ((1990, Experimental Psychology, Prentice Hall of India; New Delhi.
9.	Selltiz, C; Jahoda M; Deutsch M. & Cook S. ((1959, Research Methods in Social Relations, Holl, Renehar. & Winston; New york.
10.	Shrivastav, D.N. ((2000, Research Methods (Hindi), SahityaPrakashan, Agra
11.	Singh, A. K. ((1995, Tests, Measurement & Research Methods in Behavioral Sciences, BharatiBhawan; New Delhi.
12.	Suleman, M. ((1998, Research Methodology in Behavioural Sciences (HINDI), Shukla Book Depot; Patna.
13.	Trivedi, R. N. & Shukla, D. P. ((2000, Research Methodology (HINDI), College Book Depot; Jaipur.
14.	Young, P. V. ((1968, Scientific Social Surveys and Research (Ed. IV), Prentice Hall of India Pvt. Ltd.; New Delhi.
15.	1. દેસાઈ, એ .એન) .૧૯૯૭(, સામાજિકસંશોધનપદ્ધતિઓ) તૃતીયઆવૃત્તિ(, યુનિવર્સિટીગ્રંથનિર્માણબોર્ડ, ગુજરાતરાજ્ય; અમદાવાદ.
17.	1. દેસાઈ, કે.જી .ભોપટકર, સી.ટી .અનેશાહ, જે .એચ) .૧૯૮૧(, મનોવૈજ્ઞાનિકપરિભાષાઅનેવિભાવના, યુનિવર્સિટીગ્રંથનિર્માણબોર્ડ, ગુજરાતરાજ્ય; અમદાવાદ.
18.	ત્રિવેદીવિમલ) ૨૦૦૦(,સમાજવિજ્ઞાનમાંકોમ્પ્યુટરનોવિનિયોગ, અર્થાત; ગ્રંથ-૧૯, અંક-૨, સેન્ટરફોરસોશિયલસ્ટડિઝ; સુરત.

M. A. SEMESTER I COURSES

MASTER OF ARTS (M.A.) SEMESTER – I								
TITLE OF THE COURSE: ABNORMAL PSYCHOLOGY – I								
Sr. No.	Course Code	Course Category	Coure Credit	Teaching Hours	Practical Hours	Internal Exam Marks	External Exam Marks	Total Marks
2	DSE-2	Discipline specific core Course	4	60	-	30	70	100

Course Objectives:	1. Understand the nature of abnormal behavior 2. Study psychological disorder 3. Learn theoretical perspectives 4. To study biological, psychological, and social causes of abnormal behaviour 5. To understand the meaning and scope of abnormal psychology. 6 To study speech and language disorders 7. Understand treatment and therapy approaches 8. Develop research competence 9. To study behavioural and medical treatments for obesity. 10. To understand stress and stress responses
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Course Outcomes: Having Completed this Course, the Learner will be able to	
1.	Students will understand the meaning, nature, and scope of abnormal psychology.
1.	Students will explain historical and modern viewpoints of abnormal behavior.
3.	Students will identify biological, psychological, social, and cultural causes of mental disorders
4.	Students will understand DSM-5-TR classification and diagnostic criteria for psychological disorders.
5.	Students will recognize the impact of culture, racism, discrimination, and social environment on mental health.
6.	Students will identify symptoms, causes, and treatment approaches for neurodevelopmental

	disorders.
7	Students will understand childhood and adolescent psychological disorders and their developmental effects.
8	Students will explain eating, feeding, and obesity-related disorders along with therapeutic interventions.
9	Students will understand stress, adjustment problems, anxiety disorders, OCD, and phobic disorders
10	Students will identify symptoms and management of schizophrenia, mood disorders, depressive disorders, and bipolar disorders.
11	Students will understand substance-related and addictive disorders including alcohol, tobacco, drugs, gambling, and mobile addiction.
12	Students will recognize personality disorders and their behavioural characteristics
13	Students will understand suicide, self-injury, abuse, trauma, and violence-related psychological conditions.
14	Students will develop skills for psychological assessment, diagnosis, prevention, counselling, and rehabilitation in mental health settings.

Course Content		
Unit	Description	Marks
1 Introduction of abnormal	1.Abnormal psychology and historical and current view point of Abnormal behavior 2.What is Abnormal behaviour 3.Causes and risk factor for Abnormal behaviour 4The psychological view point and causal factor 5.Attention to culture, racism and discrimination in DSM-5TR ૧. અસાધારણ મનોવિજ્ઞાન અને અસાધારણ વર્તનનો ઐતિહાસિક અને વર્તમાન દ્રષ્ટિકોણ ૨. અસાધારણ વર્તન શું છે. ૩. અસાધારણ વર્તન માટેના કારણો અને જોખમી પરિબલ ૪ મનોવૈજ્ઞાનિક દ્રષ્ટિકોણ અને કારણભૂત પરિબલ	20%

	૫. DSM-5TR માં સંસ્કૃતિ, જાતિવાદ અને ભેદભાવ તરફ ધ્યાન	
2 Neuro development disorder	1.Intellectual Development Disorder 2.Communication disorder 3.Autism spectrum Disorder 4.Attention Deficit hyperactivityDisorder 5.Motter disorder 6.Other neurodevelopment disorder ૧.બોલિક વિકાસની વિકૃતિ ૨.માહિતી પ્રાપ્ત કરવાની (સંચાર) વિકૃતિ ૩.ઓટીઝમ સ્પેક્ટ્રમ(વિસ્તૃત શ્રેણી) વિકૃતિ ૪.ધ્યાનની ખામી અને અતિક્રિયાશીલતાની વિકૃતિ ૫.ચેતાકોષીય વિકૃતિ ૬.અન્યચેતા વિકાસકીય વિકૃતિ	20%
3 Obesity and eating disorder	1..Obesity 2.. Treatment of Obesity 3.. Rumination Disorder 4.Avoidant food intake Disorder, Anorexia Nervosa 5.Binge eating disorder 6.Other specified feeding or eating disorder ૧. મોટાપો ૨. મોટાપાની સારવાર ૩.મનન(overthinking) કરવાની વિકૃતિ ૪. ખોરાક લેવાથી દૂર રહેવાની વિકૃતિ (ખોરાક અરુચિ) ૫. ખાવધરાપાણું ૬. અન્ય ચોક્કસ ખોરાક અથવા ખાવાની વિકૃતિ	20%
4	1. Meaning of stress 2.Adjustment disorder reactions to common	

Stress and adjustment Disorder	life stressors	14%
	3. Obsessive compulsive disorder (OCD) 4. Anxiety disorder according DSM - TR 5. Phobia disorder according DSM-5 TR ૧.મનોભારનો અર્થ . ૨.સામાન્ય જીવનધોરણમાં મનોભારનાં લીધે ઉત્પન્ન થતી સમાયોજનની વિકૃતિ ૩. અનિવાર્ય વિચારદબાણ-ક્રિયાદબાણની વિકૃતિ (OCD) ૪. DSM - TR અનુસાર ચિંતાની વિકૃતિ ૫. DSM-5 TR અનુસાર વિકૃત ૩૨	
5 Sexual Dysfunction	1. Delayed ejaculation 2. Erectile Dysfunction Disorder 3. Female orgasmic (anorgasmia) Disorder 4. Female sexual arousal Disorder 5. Male hypoactive sexual Desire 6. Premature ejaculation ૧.વીર્યસ્ખલનમાં વિલંબ (ચરમ સુખ પ્રાપ્ત થવામાં મુશ્કેલી) ૨. પુરુષમાં લિંગ ઉત્થાન વિકૃતિ ૩. સ્ત્રીઓમાં યૌવન (ઈનોગ્રાસ્મિયા) વિકૃતિ ૪. સ્ત્રીમાં જાતીય ઉત્તેજના વિકૃતિ ૫. શીઘ્રવીર્ય સ્ખલન	20 %
Total		100%

Teaching-Learning Methodology	Lecture & Demonstration, Assignments, Field Work – Research, Group activities – Group Discussion, Role Play, ICT – Power Point Presentation, e – learning, e – sources, seminar – workshop, symposium, online quiz (self – study) and guest – experts lecture.
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Suggested References:	
Sr. No.	Name of Reference Books:
1.	American Psychiatric Association. (2022). *Diagnostic and statistical manual of mental disorders* (5th ed., text rev.). American Psychiatric Publishing. Diagnostic and Statistical

	Manual of Mental Disorders, Fifth Edition (DSM-5-TR)
2.	Barlow, D. H., Durand, V. M., & Hofmann, S. G. (2018). <i>*Abnormal psychology: An integrative approach*</i> (8th ed.). CengageLearning.Abnormal Psychology
3.	Comer, R. J., & Comer, J. S. (2021). <i>*Abnormal psychology*</i> (11th ed.). Worth Publishers.AbnormalPsycholog
4.	Butcher, J. N., Mineka, S., Hooley, J. M., & Nock, M. K. (2022). <i>*Abnormal psychology*</i> (18th ed.). Pearson.Abnormal Psychology
5.	Sadock, B. J., Sadock, V. A., & Ruiz, P. (2015). <i>*Kaplan & Sadock's synopsis of psychiatry: Behavioral sciences/clinical psychiatry*</i> (11th ed.). WoltersKluwer.Kaplan and Sadock's Synopsis of Psychiatry
6.	Mash, E. J., & Wolfe, D. A. (2018). <i>*Abnormal child psychology*</i> (7th ed.). CengageLearning.Abnormal Child Psychology
7.	Kazdin, A. E. (2017). <i>*Evidence-based psychotherapies for children and adolescents*</i> (3rd ed.). Guilford Press.Evidence-Based Psychotherapies for Children and Adolescents
8.	Beck, A. T., Freeman, A., & Davis, D. D. (2015). <i>*Cognitive therapy of personality disorders*</i> (3rd ed.). Guilford Press. Cognitive Therapy of Personality Disorders
9.	Millon, T. (2011). <i>*Disorders of personality: Introducing a DSM/ICD spectrum from normal to abnormal*</i> (3rd ed.). Wiley.Disorders of Personality
10.	Goodwin, F. K., & Jamison, K. R. (2007). <i>*Manic-depressive illness: Bipolar disorders and recurrent depression*</i> (2nd ed.). Oxford University Press.Manic-Depressive Illness
11.	Burns, D. D. (1999). <i>*Feeling good: The new mood therapy*</i> . Avon Books. Feeling Good
12.	Hare, R. D. (1999). <i>*Without conscience: The disturbing world of the psychopaths among us*</i> . Guilford Press.Without Conscience
13.	Young, K. S. (1998). <i>*Caught in the net: How to recognize the signs of internet addiction and a winning strategy for recovery*</i> . Wiley.Caught in the Net
14	Galanter, M., Kleber, H. D., & Brady, K. T. (Eds.). (2015). <i>*The American Psychiatric Publishing textbook of substance abuse treatment*</i> (5th ed.). American Psychiatric Publishing.Textbook of Substance Abuse Treatment
15	Silver, J. M., McAllister, T. W., & Yudofsky, S. C. (Eds.). (2011). <i>*Textbook of traumatic brain injury*</i> (2nd ed.). American Psychiatric Publishing.Textbook of Traumatic Brain Injury
16	Kolb, B., & Whishaw, I. Q. (2015). <i>*Fundamentals of human neuropsychology*</i> (7th ed.). Worth Publishers.Fundamentals of Human Neuropsychology
17	Herman, J. L. (1992). <i>*Trauma and recovery*</i> . Basic Books.Trauma and Recovery
18	Corey, G. (2016). <i>*Theory and practice of counseling and psychotherapy*</i> (10th ed.). CengageLearning.Theory and Practice of Counseling and Psychotherapy

Online resources to be used if available as reference materials (Can be MOOC, SWAYAM Courses or any additional relevant online sources)

1	https://youtu.be/JkbyoUdTRZA?si=EyZDvB7L8BU1cT74
2	https://youtu.be/b-46WkxATZ4?si=R-eMrZURpyO9eQJW
3	https://youtu.be/c0miEkBJN_c?si=Q-cVvmMHeLLT7ZRB
4	https://youtu.be/xeXmDbrzRyk?si=pFrCtOamWPVuSR-J
5	https://youtu.be/EcltkQm3U6I?si=mG7WdAOYhRs80dpy
6	https://youtu.be/PKEwoxs5GC0?si=5PM-xhBQxcUn8lq9
7	https://youtu.be/hZbmOkTPvsc?si=sttqibT2Lghg7YMI
8	https://youtu.be/C3ZHfvi6ERQ?si=v8egg-PGDf5ydoiO
9	https://youtu.be/eMVyZ6Ax-74?si=VP0gvCCLyVgqC963
10	https://youtu.be/zyn8rGboNfU?si=Ahy8RDXKmo-Okhkk
11	https://youtu.be/GgTOMa7_Ppk?si=U73brcQVvgROXyje
12	https://youtu.be/1xgUyTxIx98?si=43QsixZEDeaJTOZC
13	https://youtu.be/7aADAS9gZFY?si=4aWZKFg7zswXeElf
14	https://youtu.be/HkcmuRNpEGc?si=fV-GI-dNTJHVvuiM
15	https://www.youtube.com/live/F7pO6vhzvG0?si=d1M_FPEplQ41kIR6
16	https://youtu.be/CQdjtSp5eL8?si=C-4Jtd7WxrWYEH46

BACHLER OF ARTS (B.A.) SEMESTER 7								
TITLE OF THE COURSE: ADVANCED EXPERIMENTAL PSYCHOLOGY								
Sr. No.	Course Code	Course Category	Course Credit	Teaching Hours	Practical Hours	Internal Exam Marks	External Exam Marks	Total Marks
3	DSC-3	Discipline specific core Course	4	60	-	50	50	100

Course Objectives:	1..To familiarize students with experimental research methods and designs in Psychology. 2.. To develop understanding of variables and control techniques used in psychological experiments. 3.To provide knowledge of psychophysical methods and sensory measurement techniques. 4..To enhance understanding of verbal learning, memory, forgetting, and related processes. 5..To acquaint students with the principles and applications of operant conditioning.
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Course Outcomes: Having Completed this Course, the Learner will be able to	
1	Explain the concepts, methods, and importance of experimental research in psychology.
2	Identify different types of variables and apply appropriate control techniques in experiments.
3	Demonstrate understanding of psychophysical methods and sensory threshold measurements.
4	Analyze the processes of verbal learning, memory, and forgetting.

Course Content		
Unit	Description	Marks
Unit 1 Psychological Rresearch and Concept of	Psychological Rresearch and Concept of Variables 1. Definition of Psychological research 2. Types of Psychological research - Theoretical research	20%

Variables	-Empirical research 3. Concept of variables 4. Types of variables 5. Interdependence of independent and dependent variable ૧. મનોવૈજ્ઞાનિક સંશોધનની વ્યાખ્યા ૨. મનોવૈજ્ઞાનિક સંશોધનના પ્રકારો – સૈદ્ધાંતિક સંશોધન – આનુભાવિક સંશોધન ૩. પરિવર્ત્યોનો ખ્યાલ ૪. પરિવર્ત્યોના પ્રકારો ૫. સ્વતંત્ર અને આધારિત પરિવર્ત્યોનું પરસ્પર અવલંબન	
Unit 2 Control of Relevant Vvariables	Control of Relevant Vvariables 1. Control techniques of relevant variable - Matching - Randomization - Counterbalancing 2. Types of relevant variable - Subject relevant variables - Situation relevant variables - Sequence relevant variables 3. Various Control techniques of relevant variables - Subject relevant variables and its control - Situation relevant variables and its control - Sequence relevant variables and its control <u>પ્રસ્તુત પરિવર્ત્યોનું નિયંત્રણ</u>	20%

	૧. પ્રસ્તુત પરિવર્ત્યોના નિયંત્રણની પ્રયુક્તિઓ - સમબલીકરણ -યાદ્રષ્ટિકરણ - પ્રતિસમતુલન ૨. પ્રસ્તુત પરિવર્ત્યના પ્રકારો - વિધેય સંબંધી પ્રસ્તુત પરિવર્ત્યો - પરિસ્થિતિજન્ય પ્રસ્તુત પરિવર્ત્યો - ક્રમલક્ષી પ્રસ્તુત પરિવર્ત્યો ૩. પ્રસ્તુત પરિવર્ત્યોના નિયંત્રણની વિવિધ પ્રયુક્તિઓ - વિધેયસંબંધી પ્રસ્તુત પરિવર્ત્યોનું નિયંત્રણ - પરિસ્થિતિજન્ય પ્રસ્તુત પરિવર્ત્યોનું નિયંત્રણ - ક્રમલક્ષી પ્રસ્તુત પરિવર્ત્યોનું નિયંત્રણ	
Unit 3 Classical Psychophysics	1. Basic concept of psychophysics 2. Psychophysical methods A. Method of minimal changes - Determination of absolute and deferential limen by the method of minimal changes B. Method of constant stimuli - Determination of AL and DL by method of constant stimuli C. Method of average error - Determination of PSE by method of average error <u>શાસ્ત્રીય મનોભૌતિકશાસ્ત્ર</u> ૧. મનોભૌતિકશાસ્ત્રના મૂળભૂત ખ્યાલો	20%

	૨. મનોભૌતિકશાસ્ત્રની પદ્ધતિઓ અ. લઘુતમ ફેરફારની - લઘુતમ ફેરફારની પદ્ધતિ વડે નિરપેક્ષ ઉંબર નક્કી કરવો. - લઘુતમ ફેરફારની પદ્ધતિ વડે ભેદક ઉંબર નક્કી કરવો. બ. સ્થિર ઉદ્દીપકોની પદ્ધતિઓ - સ્થિર ઉદ્દીપકોની પદ્ધતિઓ વડે નિરપેક્ષ ઉંબર નક્કી કરવો. - સ્થિર ઉદ્દીપકોની પદ્ધતિઓ વડે ભેદક ઉંબર નક્કી કરવો. ક. સરેરાશ ભૂલની પદ્ધતિઓ - સરેરાશ ભૂલ પદ્ધતિ દ્વારા PSE નું નિર્ધારણ દ્વારા	
Unit 4 Verbal Learning, Memory and Forgetting	<u>Verbal Learning, Memory and Forgetting</u> 1. Verbal learning - Meaning of verbal learning - Functions of verbal learning - Basic determinants of Verbal learning 2. Memory and Forgetting - Types of memory - Factor effecting on memory - Definition of forgetting - Measurements methods of retention - Retroactive inhibition and proactive inhibition <u>શાબ્દિક શિક્ષણ, સ્મરણ અને વિસ્મરણ</u> ૧. શાબ્દિક શિક્ષણ - શાબ્દિક શિક્ષણ અર્થ - શાબ્દિક શિક્ષણ કાર્યો	20%

	- શાબ્દિક શિક્ષણના મૂળભૂત ઘટકો ર. સ્મરણ અને વિસ્મરણ - સ્મરણના પ્રકાર - સ્મરણ પર અસર કરતા પરિબળો - વિસ્મરણની વ્યાખ્યા - ધારણનું માપન - અનુક્રિયા નિરોધન અને ભૂતલક્ષી નિરોધન	
Unit- 5	ઉપરોક્ત ચાર એકમોમાંથી વૈકલ્પિક પ્રશ્નો પૂછાશે. Objective questions will be asked from the above four units.	20 %
	Total	100%

Teaching-Learning Methodology	Lecture & Demonstration, Assignments, field work- research, Group activities- Group Discussion, Role Play, ICT/ e-learning, seminar- workshop, symposium, online quiz (self-study) and expert lectures.
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Suggested References:	
Sr. No.	Name of References books
1	D'amato, M.R. (1980) : Experimental Psychology Methodology, Psychophysics and learning TMH Edition.
2	Barry and Mortan (1985) : Experimental Methods in Psychology McGraw.
3	Broota K.D. (1992) : Experimental Designs in behavior research "New Delhi Willy Estern.
4	Dave. C.B. Dave , Dipak Bhatt, Patel, N.S. and Panchal D.J. (1998) : „Experimental Psychology Theory and statistics, Viral Prakashan, Ahmedabad.

BACHELOR OF ARTS (B.A.) SEMESTER –7

TITLE OF THE COURSE: INDUSTRIAL PSYCHOLOGY

Sr. No.	Course Code	Course Category	Course Credit	Teaching Hours	Practical Hours	Internal Exam Marks	External Exam Marks	Total Marks
4	DSE-1	Major Course-	4	60	-	50	50	100

Course Objectives:	To explain the field, scope, and subject matter of Industrial Psychology, including job analysis, its uses, and methods of assembling job information. To differentiate between fatigue and boredom, including their meaning, types, measurement, associated individual characteristics, and strategies for remediation. To analyze the effects of work environment factors (lighting, noise, music, temperature, Ventilation) on worker performance and well-being. To identify the causes of workplace accidents, explain accident proneness, and propose Effective methods for accident control and safety management. To compare and contrast major motivation theories (Need Hierarchy, ERG Theory, And Two-Factor Theory) and their application to job performance. To describe the causes and effects of workplace stress, and recommend appropriate Methods for treating and managing stress in organizational settings.
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Course Outcomes: Having Completed this Course, the Learner will be able to	
1.	Students will describe the scope, subject matter, and professional applications of Industrial Psychology, and perform a basic job analysis using appropriate sources of job information.
2.	Students will distinguish between fatigue and boredom, identify their physical and subjective factors, and suggest appropriate remediation strategies for each condition in the workplace.
3.	Students will measure fatigue using standard methods and evaluate workplace conditions (lighting, noise, temperature, ventilation, music) to recommend improvements for worker well-being.
4.	Students will analyze the causes of workplace accidents, identify accident-prone individuals or situations, and design basic accident control and safety measures.
5.	Students will compare and contrast Maslow's Need Hierarchy, Alderfer's ERG Theory, and Herzberg's Two-Factor Theory, and apply them to real-world employee motivation and job performance issues.
6.	Students will identify the major causes and effects of workplace stress, and develop practical treatment or management strategies to reduce stress in organizational settings.

7.	Students will integrate knowledge from all units (fatigue, boredom, work environment, motivation, and stress) to diagnose common industrial psychology problems and propose evidence-based solutions.
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Course Content		
Unit	Description	Marks
1 ઔદ્યોગિક મનોવિજ્ઞાનનું કાર્યક્ષેત્ર/Field of Industrial Psychology	1. ઔદ્યોગિક મનોવિજ્ઞાનની વ્યાખ્યા 2. મનોવિજ્ઞાનની અભ્યાસ સામગ્રી (વિષયવસ્તુ) 3. ઔદ્યોગિક સમસ્યાઓમાં મનોવિજ્ઞાનનો ઉપયોગ 4. વ્યવસાય તરીકે ઔદ્યોગિક મનોવિજ્ઞાન 5. કાર્યવિશ્લેષણ અને કાર્યવિશ્લેષણનાં ઉપયોગો 6. માહિતીનાસ્ત્રોતો- કાર્યમાહિતીનું એકત્રીકરણ (એસેમ્બલીંગ) 1. Definition of Industrial Psychology 2. Subject Matter of Psychology (Area of Study) 3. Application of Psychology to Industrial Problems 4. Industrial Psychology as a Profession 5. Job Analysis and Uses of Job Analysis 6. Sources of Information – Assembling Job Information	20%
2 થાકઅને અરોચકતા/ Fatigue and Boredom	1. થાક - થાક અર્થ અને સ્વરૂપ 2. થાકનું માપન 3. થાકના શારીરિક અને આત્મલક્ષી તત્વો અને થાકનું દૂરીકરણ 4. અરોચકતા (Boredom) અરોચકતા અર્થ અને સ્વરૂપ 5. થાક અને અરોચકતા વચ્ચેનો તફાવત 6. અરોચકતા સાથે સંકળાયેલા વ્યક્તિગત ગુણલક્ષણોઅને અરોચકતાનું દૂરીકરણ 1. Fatigue – Meaning and Types 2. Measurement of Fatigue 3. Physical and Subjective Factors of Fatigue and Remediation of Fatigue 4. Boredom – Meaning and Types 5. Difference between Fatigue and Boredom 6. Individual Characteristics Associated with Boredom and Remediation of Boredom	20%
3 કાર્યપર્યાવરણ/ 	1. પ્રકાશ આયોજન 2. ઘોંઘાટની અસર 3. સંગીત, ઉષ્ણતામાન	

Work Environment	4. હવા-ઉજસ (ventilation) 1. Lighting Design 2. Effect of Noise 3. Music, Temperature 4. Air and Ventilation	20%
4 પ્રેરણા અને મનોભાર/ Motivation and Stress	1. જરૂરિયાત શ્રેણીક્રમ સિદ્ધાંત 2..ERG સિદ્ધાંત 3.. પ્રેરણા- સૂકાર્યવશ્તુ સિ સિદ્ધાંત 4.. કાર્ય સ્થળે મનોભારના કારણો 5.. કાર્ય સ્થળે મનોભારની અસરો 6.. કાર્ય સ્થળે મનોભારનો ઉપચાર કરવો 1. Need Hierarchy Theory 2. ERG Theory 3. Motivation-Hygiene (Two-Factor) Theory, Job Performance 4. Causes of Stress in the Workplace 5. Effects of Stress in the Workplace 6. Treating Stress in the Workplace	20%
5 સલામતી અને અકસ્માત નિયંત્રણ / Safety and Accident Control	1..સલામતી અને અકસ્માત નિયંત્રણ 2..અકસ્માતનાં કારણ 3..અકસ્માત પ્રવણતા 4..અકસ્માત નિયંત્રણ 1. Safety and Accident Control 2. Causes of Accidents 3. Accident Proneness 4. Control / Minimize Accident	20 %
	Total	100%

Teaching-Learning Methodology	Lecture & Demonstration, Assignments, Field Work – Research, Group activities – Group Discussion, Role Play, ICT – Power Point Presentation, e – learning, e – sources, seminar – workshop, symposium, online quiz (self – study)and guest – experts lecture.
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Suggested References:	
Sr.No.	Name of Reference Books:
1.	Dr. A. S. Shah (2014). Industrial-Organization Psychology. Pashva Publication, Ahmadabad

2	Dr. A. S. Shah (2015). Organization Psychology. Pashva Publication, Ahmadabad
3	Parikh, B. A. (2013). Industrial Psychology. Gujarat University GranthNirmanBoard, Ahamadanad
4	Ghosh, P. K., & Ghorpade, M. B. (2009). <i>Industrial psychology</i> (4th ed.). Himalaya Publishing House.
5	Pandey, A., & Sharma, A. K. (2015). <i>Industrial psychology: Principles and practices in modern perspectives</i> . Pearl Books.
6	Frieman, P. S. (2014). <i>Psychology at work</i> . McGraw-Hill Education.
7	Robbins, S. P., & Judge, T. A. (2019). <i>Organisational behaviour</i> (18th ed.). Pearson India.
8	Dunnette, M. D. (Ed.). (2010). <i>Handbook of industrial and organizational psychology</i> (2nd ed.). Wiley-Blackwell.
9	Ghorpade, M. B., & Ghosh, P. K. (2022). <i>Industrial psychology</i> . Himalaya Publishing House.
10	Aswathappa, K. (2017). <i>Organisational behaviour</i> (12th ed.). Himalaya Publishing House.

On-Line resources to be used if available as reference materials (Can be MOOC, SWAYAM Courses or any additional relevant online sources)

1	INTRODUCTION TO ORGANISATIONAL PSYCHOLOGY- https://www.youtube.com/watch?v=Vc3Hpv76y74&list=PLVE9bxUVYafSxZ6HjhG80fowov5ZW13yZ
2	औद्योगिक मनोवज्ञान/ Industrial Psychology/ Meaning/ Areas/ Scope/ Monotony/ Boredom/ Morale- https://www.youtube.com/watch?v=-V4JW5MVIwM
3	Theories of Motivation - https://www.youtube.com/watch?v=3YBhaKROFIM
4	Stress Management- https://www.youtube.com/watch?v=BVyY82TIRag
5	Job Satisfaction & Job Analysis-01- https://www.youtube.com/watch?v=jHBywanB2Ts&list=PLAGcC6GHSjUqzKC0bsxIWNe-9GwL0c4y1&index=74
6	શાક-કાર્યપર્યાવરણ-૦૧- https://www.youtube.com/watch?v=iBz1UG01MP8&list=PLAGcC6GHSjUqzKC0bsxIWNe-9GwL0c4y1&index=116
7	સ્ટ્રેસ મેનેજમેન્ટ-૦૨-

	https://www.youtube.com/watch?v=jIAW2lblrSg&list=PLAGcC6GHSjUqzKC0bsxlWNe-9GwL0c4y1&index=163
8	ઔદ્યોગિક અકસ્માત અર્થ કારણો અને નિવારણ-૦૧- https://www.youtube.com/watch?v=tadm-Z6vN70&list=PLAGcC6GHSjUqzKC0bsxlWNe-9GwL0c4y1&index=211&pp=iAQB
9	કાર્ય સ્થળે મનોભાર- ૦૨ https://www.youtube.com/watch?v=e6fmycD0oQ8&list=PLAGcC6GHSjUqzKC0bsxlWNe-9GwL0c4y1&index=215
10	Designing Work Organization- https://onlinecourses.nptel.ac.in/noc26_mg74/preview
11	Organizational Behaviour- https://onlinecourses.nptel.ac.in/noc26_mg20/preview

MASTER OF ARTS (M.A.) SEMESTER 1								
TITLE OF THE COURSE: COUNSELLING PSYCHOLOGY								
Sr. No.	Course Code	Course Category	Course Credit	Teaching Hours	Practical Hours	Internal Exam Marks	External Exam Marks	Total Marks
5	DSE-2	Discipline specific core Course	4	60	--	50	50	100

Course Objectives:	☐ To introduce the basic concepts, scope, and importance of counselling psychology. ☐ To familiarize learners with major theories and approaches of counselling. ☐ To develop essential counselling skills, techniques, and professional attitudes. ☐ To understand the principles, process, and applications of individual and group counselling. ☐ To create awareness about ethical practices and counsellor–counselee relationships in counselling settings.
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Course Outcomes: Having Completed this Course, the Learner will be able to	
1	Understand the fundamental concepts, scope, and ethical dimensions of counselling psychology.
2	Interpret and compare major counselling theories and approaches.
3	Demonstrate effective counselling skills, techniques, and professional attitudes in counselling situations.
4	Apply knowledge of group counselling, counselling relationships, and ethical practices in professional settings.

Course Content		
Unit	Description	Marks
Unit 1	INTRODUCTION TO COUNSELLING PSYCHOLOGY • Meaning, Definition, and scope of counselling • Differentiating Guidance, Counselling, and Psychotherapy • Myth about counselling • Ethic and Ethical issues in counselling • Issue faced by beginner સલાહ મનોવિજ્ઞાનનો પરિચય • સલાહનો અર્થ, વ્યખ્યા અને વ્યાપ	

	• માર્ગદર્શન) Guidance), સલાહ અને માનસોપચાર) Psychotherapy) વચ્ચેનો ભેદ • સલાહ સંબંધિત ગેરમાન્યતા • સલાહમાં નૈતિકતા અને પ્રશ્નો • પ્રારંભિક સલાહકારને આવતી મુશ્કેલીઓ	
Unit 2	THEORIES OF COUNSELING • Psychoanalytic / psychodynamic • behavioural • humanistic, • existential સલાહના અભિગમ • મનોવિશ્લેષણાત્મક અભિગમ • વર્તનવાદી અભિગમ • માનવતાવાદી અભિગમ • અસ્તિત્વવાદી અભિગમ	
Unit 3	BASICS OF COUNSELLING & PRINCIPLES • Introduction • Counselling skills • Basic techniques of counselling • Counselling specialties • Counselling attitudes Principles of Counselling • Confidentiality • Empathy • Respect • Non-judgmental attitude • Active listening • Genuineness • Acceptance • Client autonomy • Professional ethics સલાહના મૂળભૂત તત્વો અને સિદ્ધાંતો • પરિચય • સલાહ કૌશલ્યો • સલાહની પદ્ધતિઓ • સલાહના ક્ષેત્રો • સલાહ સંબંધિત વલણો સલાહના સિદ્ધાંત • ગુપ્તતા • સહાનુભૂતિ	

	• આદર • પૂર્વગ્રહ મુક્ત વલણ • સક્રિયશ્રવણ • પ્રમાણિકતા • સ્વીકારભાવ • સલાહાર્થીની સ્વાયત્તા • વ્યવસાય નૈતિકતા	
Unit 4 GROUP COUNSELLING	GROUP COUNSELLING • Nature, Scope and goals of Group counselling • Types of Groups • Stages and process of group Counselling • Group Structure • Roles and Qualities of group leader • Ethical Issues and challenges in Group Counselling જૂથસલાહ • જૂથસલાહનું સ્વરૂપ વ્યાખ્યા અને હેતુ • જૂથના પ્રકાર • જૂથસલાહની અવસ્થા અને પ્રક્રિયા • જૂથની રચના • જૂથ નેતાની ભૂમિકા અને ગુણો • જૂથ સલાહના નૈતિક પ્રશ્નો અને પડકાર	
Unit 5	COUNSELLOR–COUNSELLEE RELATIONSHIP AND ETHICS • Meaning and importance of counsellor–counselee relationship • Personality factors and self-awareness of counsellor • Communication patterns, body language and feedback • Factors influencing counselling relationship • Ethical practices, standards and professional guidelines સલાહકારઅનેસલાહાર્થીનાસંબંધઅનેનૈતિકતા • સલાહકાર અને સલાહાર્થીના સંબંધનો અર્થ અને મહત્વ • સલાહકારના વ્યક્તિત્વ સંબંધિત પરિબળ અને સ્વજાગૃતતા • સલાહપ્રક્રિયા , શારીરિકભાષા ,અને પ્રતિશ્લેષ • સલાહ સંબંધને પ્રભાવિત કરતા પરિબળો • નૈતિકવ્યવહાર, ધોરણોઅનેવ્યાવસાયિકમાર્ગદર્શિકા	
	Total	100%

Teaching-Learning Methodology	Lecture & Demonstration, Assignments, field work- research, Group activities- Group Discussion, Role Play, ICT/ e-learning, seminar- workshop, symposium, online quiz (self-study) and expert lectures.
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Suggested References:	
Sr. No.	Name of References books
1	Corey, G. (2017). <i>Theory and practice of counseling and psychotherapy</i> (10th ed.). Cengage Learning.
2	Gladding, S. T. (2018). <i>Counseling: A comprehensive profession</i> (8th ed.). Pearson.
3	Gibson, R. L., & Mitchell, M. H. (2008). <i>Introduction to counseling and guidance</i> (7th ed.). Pearson Education.
4	Nelson-Jones, R. (2014). <i>Basic counselling skills: A helper's manual</i> (4th ed.). SAGE Publications.
5	Patterson, L. E., & Welfel, E. R. (2005). <i>The counseling process: A multicultural approach</i> (6th ed.). Thomson Brooks/Cole.
6	Yalom, I. D., & Leszcz, M. (2020). <i>The theory and practice of group psychotherapy</i> (6th ed.). Basic Books.
7	McLeod, J. (2013). <i>An introduction to counselling</i> (5th ed.). Open University Press.
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MASTER OF ARTS (M.A.) SEMESTER – 1

TITLE OF THE COURSE: POSITIVE PSYCHOLOGY

Sr. No.	Course Code	Course Category	Coure Credit	Teaching Hours	Practical Hours	Internal Exam Marks	External Exam Marks	Total Marks
6	SEC	Skill enhancement course	2	30	-	15	35	50

Course Objectives:	1. understand the fundamental concepts, principal and historical development of positive psychology 2. Explain the major theories and models of well being. Happiness and flourishing 3. indent and assess individual character strengths and virtues using positive psychology frameworks 4. develop an understanding of positive psychology emotions and their role in psychological health and resilience 5. analyze the concepts of optimism hope resilience, self efficacy and emotional intelligence. 6. examine the role of mindfulness, gratitude, compassion and forgiveness in enhancing well-being. 7. understand the relationship between positive psychology and mental health promotion. 8. apply evidence based positive psychology interventions to improve psychological well-being. 9. evaluate the contribution of positive psychology in education, counselling, healthcare and organizational 10. Critical examine current research theories and empirical finding in positive psychology.
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Course Outcomes: Having Completed this Course, the Learner will be able to	
1.	Analyse the role of positive emotions in enhancing psychological health and overall wellbeing.
2	Apply concepts of optimism, hope resilience. self-efficacy and emotional intelligence to everyday life
3.	Demonstrate the use of positive psychology interventions such as gratitude, mindfulness, forgiveness and acts of kindness.
4.	Evaluate scientific research and empirical evidence related to positive psychology.

5.	Apply positive psychology principles in educational counselling, clinical, organizational and community settings.
6.	Demonstrate effective interpersonal skills, empathy, and compassion behaviour
7	Develop lifelong habits that promote psychological well-being personal growth and flourishing.
8	Explain the fundamental concepts scope, history and principal of positive psychology
9	Describe major theories and models of happiness well-being and flourishing.

Course Content		
Unit	Description	Marks
Unit-1 Introduction and Relations	Introduction and Relations 1. Introduction of Positive Psychology 2, Definitions and Goals of Positive Psychology 3, Happiness 4, Relationship (1) Health Psychology (2) Clinical Psychology (3) Developmental Psychology પરિચય અને સંબંધો 1. વિધાયક મનોવિજ્ઞાનનો પરિચય 2, વિધાયક મનોવિજ્ઞાનની વ્યાખ્યાઓ અને ધ્યેયો 3, સુખ 4, વિધાયક મનોવિજ્ઞાનનો અન્ય મનોવિજ્ઞાન સાથે સંબંધ (1) સ્વાસ્થ્ય મનોવિજ્ઞાન (2) ચિકિત્સા સાયકોલોજી (3) વિકાસાત્મક મનોવિજ્ઞાન	33.3%
Unit 2 Happiness and Wellbeing	Happiness and Wellbeing 1.What is Happiness (1) Hedonic Happiness (2) Eudemonic Happiness 2. Self-Wellbeing (1) Definitions.	33.3%

	(2) Measurement of Self Wellbeing. સુખ અને ક્ષેમકુશળતા 1. સુખ શું છે ? સુખના પ્રકારો (1) આનંદમાર્ગી સુખ (2) વૃદ્ધિસંબંધીત સુખ 2. આત્મલક્ષી ક્ષેમ કુશળતા (1) આત્મલક્ષી ક્ષેમકુશળતાની વ્યાખ્યાઓ. (2) આત્મલક્ષી ક્ષેમકુશળતા નું માપન.	
Unite 3 Positive Traits	Positive Traits Introduction of Positive Traits. 2, What makes a trait positive? Personality and Happiness - The Big Five (1) Extraversion. (2) Neuroticism. (3) Agreeableness. (4) Conscientiousness. (5) Openness to Experience. વિધાયક ગુણ લક્ષણો 1, વિધાયક ગુણલક્ષણોનો પરિચય. 2, ગુણલક્ષણને શું વિધાયક બનાવે છે.? 3, વ્યક્તિત્વ અને સુખ - મહાન પાંચ (1) બહિર્મુખીપણું (2) વિકૃતિપણું (3) સંમતતા (4) અંતર્વિવેકશીલતા (5) અનુભવ પ્રત્યે ખુલ્લાપણું	33.4%
	Total	100%

Teaching-Learning Methodology	Lecture & Demonstration, Assignments, Field Work – Research, Group activities – Group Discussion, Role Play, ICT – Power Point Presentation, e – learning, e – sources, seminar – workshop, symposium, online quiz (self – study)and guest – experts lecture.
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Suggested References:	
Sr. No.	Name of Reference Books:

1.	Baumgardner,S.r.and Crother,M.K.(2009) positive psychology. New Delhi: Pearson Education
2.	Seligman M.E.P.and Clkzentinaly;(2009)positive psychology;An introduction, American psychologist.
3.	Myers,D.g.(1992) the pursuit of happiness new york:Avon books
4.	Diner,E and Sun E,M.(Eds) (2000) Culture and subjective well being Camb MIT press
5	Compton W.C.& Hoffman E.L.(2024) positive psychology; the science of hypiness and flourishing (4 th ed) SAGE publication
6	Carr, A.(2019) positive psychology the science of happiness and human strengths(3 rd ed) Rutledge
7	Peterson.,& Seligman M.E.P.(2004) character strengths and virus A handbook and classification. Oxford university

Online resources to be used if available as reference materials (Can be MOOC, SWAYAM Courses or any additional relevant online sources)
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1	www.positivepsychology.org
2	www.apa.org
3	www.authentic happiness.sas.upenn.edu .
4	www.psychologymatters.org/wellbeing.htm
5	www.psych.uiue.edu/edi