

Routine for Department of Psychology

DAY/TIME	10.30-11.30	11.30-12.30	12.30-1.30	1.30-2.30	2.30-3.30
MONDAY	1 st /2 nd SEM Room No. 5 F.N. - S.C.	1 st /2 nd SEM Room No. 5 F.N. - SKS	1 st /2 nd SEM Room No. 5 F.N. - RS	1 st /2 nd SEM (G.E.) Room No. 5 F.N. - S.C.	1 st /2 nd SEM (AECC) Room No. 5 F.N.- 3 rd /4 th SEM Room No. 3 F.N. - R.S.
	3 rd /4 th SEM Room No. 3 F.N. - S.N	3 rd /4 th SEM Room No. 3 F.N.- R.S.	P R A C T I C A L -- 1 st /2 nd SEM Room No. 3 F.N. - S.N		
TUESDAY	1 st /2 nd SEM Room No. 5 F.N. - R.S.	1 st /2 nd SEM Room No. 5 F.N. - S.N	1 st /2 nd SEM Room No. 5 F.N.- S.K.S	1 st /2 nd SEM (G.E.) Room No.5 F.N.- SN	1 st /2 nd SEM (Tutorial) Room No. 3 F.N. - S.N.
	3 rd /4 th SEM Room No.3 F.N. - S.N.	3 rd /4 th SEM Room No.3 F.N. - R.S..	3 rd /4 th SEM P R A C T I C A L Room No. 3 F.N. - R.S.		
WEDNESDAY	3 rd /4 th SEM Room No. 3 F.N. - S.C.	1 st /2 nd SEM Room No. 5 F.N. - R.S.	5 th /6 th SEM Room No. 5 F.N. - S.C.	5 th /6 th SEM Room No. 5 F.N. - S.N.	3 rd /4 th SEM (G.E.) Room No.-3 F.N. - S.K.S.
	1 st /2 nd SEM Room No. 5 F.N. -R.S.	1 st /2 nd SEM Room No. 5 F.N. - S.N.	P R A C T I C A L -3 rd /4 th SEM Room No.-3 F.N. - S.K.S.		

DAY/TIME	10.30-11.30	11.30-12.30	12.30-1.30	1.30-2.30	2.30-3.30
THURSDAY	3 rd /4 th SEM Room No. 3 F.N.- R.S.	3 rd /4 th SEM Room No. 3 F.N. - S.K.S.	5 th /6 th SEM Room No. 5 F.N. - S.C.	5 th /6 th SEM Room No. 5 F.N.- S.K.S.	3 rd /4 th SEM (G.E.) Room No. 3 F.N. - R.S.
	1 st /2 nd SEM Room No. 5 F. N. - S.N.	1 st /2 nd SEM Room No. 5 F.N. - S.C.	P R A C T I C A L 1 st /2 nd SEM Room No.- 3 F.N. -S.K.S.		
FRIDAY	5 th 6 th SEM Room No.-5 F.N. - SKS	5 th 6 th SEM Room No.-5 F.N.- S.C.	3 rd /4 th SEM Room No. 5 F.N. - SKS	3 rd /4 th SEM Room No. 5 F.N. - S.N.	5 th /6 th SEM (Tutorial) Room No. 3 F.N. - S.C.
	1 st /2 nd SEM Room No. 3 F.N. - R.S.	1 st /2 nd SEM Room No. 3 F.N. - S.N.	P R A C T I C A L-5 th /6 th SEM Room No. 3 F.N. - R.S.		
SATURDAY	5 th /6 th SEM Room No.3 F.N. - S.C.	5 th /6 th SEM Room No. F.N.- SN	3 rd /4 th SEM Room No. 3 F.N. - SN	3 rd /4 th SEM Room No. 3 F.N. - RS	3 rd /4 th SEM (Tutorial) Room No. 3 F.N. - SKS
	1 st /2 nd SEM Room No. 5 F.N. - S.N.	1 st /2 nd SEM Room No. 5 F.N. - R.S.	1 st /2 nd SEM Room No. 5 F.N. - S.K.S.	1 st /2 nd SEM Room No. 5 F.N. -- S.C.	

Semester I

Paper		Total Marks		Distribution of marks mid and end semester			
		FM	PM	Mid-Semester		End-Semester	
				FM	PM	FM	PM
Foundation of Psychology	C.C-1.T	75	40%	20% of total marks	40%	80% of total marks	40%
Statistical method for psychological research.	C.C-2.T	75	40%	20% of total marks	40%	80% of total marks	40%
Practical - I	C.C-1&2P	50	40%	20% of total marks	40%	80% of total marks	40%
*General Psychology	GE-1.T	75	40%	20% of total marks	40%	80% of total marks	40%
*Practical - II	GE-1P	25	40%	20% of total marks	40%	80% of total marks	40%
AECC	AECC-1	50	40%	20% of total marks	40%	80% of total marks	40%

* **Not for Psychology Honors students.**

Psychology Honors student will choose G.E. of any one of the following subjects.

- (i) History.
- (ii) Geography.
- (iii) Political Science.
- (iv) Economics.
- (v) Anthropology.
- (vi) Sociology.

Foundations of Psychology

Unit 1: Introduction:

- (a) What is psychology?
- (b) Methods of psychology
- (c) Subfields of psychology
- (d) Psychology in modern India.

Unit 2 : Perception:

- (a) Perceptual processing.
- (b) Role of attention in perception
- (c) Perceptual organization
- (d) Perceptual sets
- (e) Perceptual constancies
- (f) Depth perception,
- (g) Distance and movement
- (h) Illusions.

Unit 3 : Learning and Motivation:

- (a) Learning concept.
- (b) Theories of learning.
 - * Thorndike.
 - * Pavlov.
 - * Tolman.
- (c) Motivation: Concept and types.
- (d) Role of motivation in learning.
- (f) Motivational conflicts.

Unit 4: Memory

- (a) Concept
- (b) Type of memory
- (c) Difference between LTM and STM
- (d) Forgetting: Nature and Causes.

Readings List :

Baron, R. and Misra, G. (2013). Psychology. New Delhi: Pearson.

Chadha, N.K. and Seth, S. (2014). The Psychological Realm: An Introduction. New Delhi. Pinnacle Learning,

Ciccarelli, S. K. and Meyer, G. E. (2010). Psychology- New Delhi Pearson Education.

Passer, M.W. and Smith, R.E. (2010). Psychology: The science of mind and behaviour New Delhi: Tata McGraw-Hill.

Md. Suleman (2012) : Adhunic samanya Manougyan. Patna: Motilal Banarsidas.

Sing, A. K (2012). Adhunic samanya monavigyan. Patna: Motilal Banaridas.

Statistical Methods for Psychological Research

Unit 1 : Introduction:

- a. What is psychological research?
- b. Relevance of statistics in psychological research.
- c. Descriptive and inferential statistics.
- d. Level of measurement.

Unit 2: Graphic representation of frequency distributions

- a. The Histogram.
- b. The Frequency Polygon.
- c. The Cumulative frequency Curve.

Unit 3: Central Tendency:

- a. The Mean.
- b. The Median.
- c. The Mode.
- d. Calculation of mean, median, mode.

Unit 4: Measurement of Variability:

- a. The range.
- b. Deviation measures.
- c. Properties of the Standard Deviation.
- f. Calculation of SD.

Readings List :

Garrett, H.E. (2010). Statistics in Psychology and Education. New Delhi: Surjeet Publication.

Hussain, Shamsad (2010). Statistics in Psychology Patna: Motilal Banarsidas.

Suleiman, Md. (2012). Shiksha and Manovigyan me shankhiki. Patna: Motilal Banarsidas.

Singh, A.K. (2012). Shiksha aum Manovigyan Me Shankhiki. Patna: Motilal Banarsidas.

Practical – I

1. Sensory-Motor Learning:

Effect of practice on sensory-motor learning.

- (a) Bi-lateral transfer. (Positive transfer)
- (b) Habit-interference (negative transfer)

2. Verbal Learning:

Memorising non-sense syllable by the methods of:

- (a) Simple reproduction.
- (b) Serial reproduction.

Reading List :

Mohsin, S.M. (1982). Experiments in psychology.

Sulaiman, M. (1996). Manovigyanik prayog aur parikshan.

General Psychology

Unit 1: Introduction:

- (a) Definition
- (b) Goals of psychology.

Unit 2: Methods of Psychology:

- (a) Experiment.
- (b) Interview.
- (c) Observation.

Unit 3: Audio-visual Processes:

- (a) Structure.
- (b) Function.

Unit 4: Perceptual Processes:

- (a) Processes involved.
- (b) Perceptual Organization.
- (c) Gestalt view.
- (d) Social and personal factors in perception.

Reading List :

Wood, S.E. and Wood, E.G. (1996): The world of Psychology: New York: Allyn-Bacon.

Rahman, A. (1998): Samanya Manovigyan Vishay aur Viyakhya: Motilal Banarasi Das.

Sulaiman, Md (1996): Uchhtar Samanya Manovigyan: Patna: Motilal Banarsidas.

Practical - II

1. Verbal learning:

- (a) Prompting and anticipation.
- (b) Paired association.

2. Method of Learning.

- (a) Massed vs Distributed.
- (b) Part vs Whole.

Reading List:

Sinha R.R.P and Mishra, B.K. (1984). Manovigyan Mein Prayog ewam Sankhiyeki Patna: Bharati Bhawan.

Sulaiman, Md. (1996): Manovigyanik prayog aur Parikshan. Patna: Motilal Banarsidas.

Mohsin., S.M. (1982). Experimental Psychology Patna Motilal Banarasi Das.

Semester II

Paper		Total Marks		Distribution of marks mid and end semester			
		FM	PM	Mid-semester		End-Semester	
				FM	PM	FM	PM
Bio Psychology	C.C-3.T	75	40%	20% of total marks	40%	80% of total marks	40%
Educational Psychology - I	C.C-4.T	75	40%	20% of total marks	40%	80% of total marks	40%
Practical - I	C.C-3&4P	50	40%	20% of total marks	40%	80% of total marks	40%
*Youth gender and identity	GE-2.T	75	40%	20% of total marks	40%	80% of total marks	40%
*Practical - II	GE-2P	25	40%	20% of total marks	40%	80% of total marks	40%
AECC-2	AECC-2	50	40%	20% of total marks	40%	80% of total marks	40%

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Psychology Honors students will choose G.E. of any one of the following subjects.

- (i) History.
- (ii) Geography.
- (iii) Political Science.
- (iv) Economics.
- (v) Anthropology.
- (vi) Sociology.

Biopsychology

Unit I: Introduction to biopsychology

- (a) Nature.
- (b) Scope.
- (c) Methods.
- (d) Ethics.

Unit 2: The functioning brain:

- (a) Structure.
- (b) Functions of neurons.
- (c) Neural conduction.
- (d) Synaptic transmission.
- (e) Organization of nervous systems.

Unit 3. Behavioral regulations:

- (a) Biological basis of learning and memory.
- (b) Functional abnormalities of neurotransmitter.
- (c) Dopamine and serotonin hypothesis.
- (d) Neuroendocrine system and development of brain behavior.

Unit 4. Neuroplasticity and rehabilitation:

- (a) Plasticity of the adult brain.
- (b) Neuroplastic responses to nervous system, damages (neural degeneration, neural regeneration, neural reorganization, and recovery of function.)

Reading List :

Breedlove, S. M., Rosenzweig, M. R. and Watson, N. V. (2007) *Biological Psychology: An introduction to behavioral, cognitive, and clinical neuroscience*, (5th Edition). Sunderland, Massachuset.

Carlson, N. R. (2009) *Foundations of Physiology*, (6th Edition). New Delhi: Pearson Education.

Pinel, J. P. (2011) *Biopsychology* (8th Edition). New Delhi. Pearson Education.

Singh, A.K. (2014). *Neuro-psychology*. Patna: Motilal Banarsidas.

Educational Psychology - I

Unit 1: Educational Psychology.

- (a) Concept.
- (b) Aims.
- (c) Scope.
- (d) Significance.

Unit 2: Education for special children.

- (a) Concept.
- (b) Adjustment.
- (c) Education of mentally retarded children.

Unit 3: Educational technology and programmed learning.

- (a) Meaning.
- (b) Important.
- (c) Nature of programmed learning.
- (d) Skinner view points of programmed learning.

Unit 4: Class room Management.

- (a) Ecology of Classroom.
- (b) Social psychology of classroom.
- (c) Discipline.
- (d) Communication.

Reading List :

Divesta and Thompson (1985). Educational Psychology. New York: Appleton-Centry.

Fraudsem, AN (1961). Educational Psychology. New York Mc Graw Hill.

Lindgren, H. (1976). Educational Psychology in the Classroom. Hong Kong : John Willey.

Rao, S. Narayan (2002). Educational Psychology. New Delhi: New Age International (P) Limited Publishers.

S. S. Chauhan (1984). Advanced Educational Psychology. New Delhi: Vikas Publishing House Pvt. Ltd.

Skinner, CE (2002) Educational Psychology. New Delhi: Prentice Hall of India Ltd.

Suleman, M. and Sinha, R.K. (2005). Uchchatar Shiksha Manovigyan. Patna; Motilal Banarsidas. (In Hindi).

Singh, AK (2007). Shiksha Manovigyan. Patna: Bharti Bhawan. (In Hindi)

Practical

Test of Intelligence

1. Alexander's test Battery of intelligence (Pass Along, koh's Block Design, Cube Construction.)
2. Mohsin's General Intelligence Test.
3. Jalota's test of Intelligence.
4. Raven Progressive Matrices.

Reading List:

Sinha, R.R.P (2001). Manovigyan me prayog, Parikchan aur Snakhiyeki.

Sulaiman, M (1999). Manovigyan Prayog aur parikcahn. Patna: Motilal Banarsidas.

Anastasi A. (1988). Psychological Testing .New York: McMillan.

Youth, Gender and Identity

Unit 1:

- (a) Defining concepts of youth.
- (b) Exploring youth, relationships and gender dynamics: peers, families and personal relationships

Unit 2:

- (a) The impact of music and gendered ideology.
- (b) Young people, celebrities and identity formation.

Unit 3:

- (a) Criminalization, young people and labeling ideologies.
- (b) The impact of globalization on youth identities.

Unit 4:

- (a) Vulnerability and inequality and its impact on identity development.
- (b) The self worth of youth.

Reading List:

Ahmed, L (1992). Women and gender in Islam. Yale university press.

Alexander, C.E. (2000) The Asian Gang: Ethnicity, identity, masculinity. Berg: Oxford International Publishers Ltd.

Aronowitz (1992) The Politics of Identity. Routledge.

Back, L. (1996) New Ethnicities and Urban Culture: Racism and Multicultural in Young lives. Routledge and Taylor Francis Group.

Castells, M (1997) The Power of Identity. Blackwell.

Craib, I (1998) Experiencing Identity. Sage Publications Ltd.

Frosh, S, Phoenix, A and Pattman, R. (2002) Young. Masculinity Palgrave. Macmillan.

Griffin, C, (1993) Representations of Youth. Polity Press.

Hamilton, M (2008) What's happening to our girls? Viking-Imprint of Penguin Books.

Horrocks, R. (1995) Male, Myths and Icons; Masculinity in popular culture. New York: Macmillan Press Ltd.

McDonald, R and Marsh, J (2005). Disconnected Youth? Growing up in Britain's Poor Neighbourhoods. Palgrave Macmillan.

McRobbie, A (1990) Feminism and Youth Culture. Macmillan Basingstoke.

Nayak, A. (2003) Race, Place and Globalisation: Youth Culture in a changing world. Berg Publishers Ltd.

Roche, J and Tucker, S, (1997) Youth in Society. Buckingham: Open University Press
Websites. www.infed.org.uk. www.nya.oreg.uk

Practical

1. Moudsley Personality Inventory.
2. Mohsin's Bell Adjustment Inventory.
3. Word Association Test.
4. Sinha Comprehensive Anxiety Scale.

Reading List:

Groth- Marnat, Garry (2005). The Handbook of Psychological Assessment (4 Ed). New York: John Wiley and Sons.

Suleman, M. (2012) Manovigyan Mein Prayog aur Parikshan. Patna: Motilal Banarsidas.

Singh, A.K. (2012).Manovigyan Mein Prayog Qum Parikshan. Patna: Motilal Banarsidas.

Semester III

Paper		Total Marks		Distribution of marks mid and end semester			
		FM	PM	Mid-semester		End-Semester	
				FM	PM	FM	PM
Research Methodology	C.C-5.T	75	40%	20% of total marks	40%	80% of total marks	40%
Health Psychology	C.C-6.T	75	40%	20% of total marks	40%	80% of total marks	40%
Applied Social Psychology	C.C-7.T	75	40%	20% of total marks	40%	80% of total marks	40%
Practical - I	C.C-5,6&7P	75	40%	20% of total marks	40%	80% of total marks	40%
*Psychology at Work	GE-3.T	75	40%	20% of total marks	40%	80% of total marks	40%
*Practical - II	GE-3 P	25	40%	20% of total marks	40%	80% of total marks	40%
Guidance	SEC-1	50	40%	20% of total marks	40%	80% of total marks	40%

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Psychology Honors student will choose G.E. of any one of the following subjects.

- (i) History.
- (ii) Geography.
- (iii) Political Science.
- (iv) Economics.
- (v) Anthropology.
- (vi) Sociology.

Research Methodology

Unit 1: Psychological research.

- (a) Definition.
- (b) Goal
- (c) Steps in Psychological research.
- (d) Ethics in psychological research.

Unit 2 Sampling:

- (a) Definition.
- (b) Probability sampling methods.
- (c) Non- probability sampling methods.

UNIT 3: Non - experimental Methods (1):

- (a) Case study.
- (b) Observation.
- (c) Survey.

UNIT 4: Non-experimental methods (II):

- (a) Psychological testing
- (b) Standardization.
- (c) Reliability
- (d) Validity.
- (f) Norm.

Reading List:

Chandha, N. K. (2009). *Applied Psychometric*. New Delhi: Sage Publication.

Dyer, C. (2001). *Research in Psychology: A Practical Guide to Research Methodology and Statistics* (2nd Ed.). Oxford: Blackwell Publishers.

Gregory, R.J. (2006). *Psychological Testing: History, Principles, and Applications* (4thEd.). New Delhi: Pearson Education.

Murphy, K.R. and Davidshofer, C. O. (2004). *Psychological Testing: Principles and Applications* (6th Ed.). New Jersey: Prentice Hall.

Neuman, W.L. (2006). *Social Research Methods: Qualitative and Quantitative Approaches* (6th Ed.). Boston : Pearson Education.

Willig, C. (2001). *Introducing qualitative research in psychology: Adventures in theory and method*. Philadelphia: Open University Press.

Singh , A.K. (2013). *Research methods in behavioural sciences*. Patna: Student's Friends Publication.

Md. Suleiman (2013). *Manovigyan me shodh pranaly*. Patna: Motilal Banarisidas

Health Psychology

Unit 1: Introduction to Health Psychology:

- (a) Components of health as social, emotional, cognitive and physical aspects.
- (b) Relationship between health and psychology.
- (c) Mind and body relationship.
- (d) Goals of health psychology

Unit 2: Well-Being:

- (a) Components of well-being e.g.

Unit 3: Managing stress, illness and pain:

- (a) Causes.
- (b) Consequences.
- (c) Interventions.

Unit 4: Health enhancing behaviors:

- (a) Implications for well-being.
- (b) Psychological factors as resilience, hope, optimism, positive self.
- (C) Physical factors as exercise, safety, nutrition, etc.

Reading List:

Carr, A. (2004). Positive Psychology: The science of happiness and human strength. UK: Routledge.

DiMatteo, M. R. and Martin, L.R. (2002). Health psychology. New Delhi: Pearson.

Misra, G. (1999). Stress and Health. New Delhi: Concept.

Sarafino, E.P. (2002). Health psychology: Bio psychosocial interactions (4th Ed.).NY: Wiley.

Snyder, C.R., and Lopex, S.J. (2007). Positive Psychology: The Scientific and Practical Explorations of Human Strengths. Thousand Oaks, CA: Sage.

Taylor, S.E. (2006). Health Psychology (6th Ed.). New Delhi: Tata McGraw Hill.

Applied Social Psychology

Unit : 1 Introduction:

- a) Definition and Nature of Applied Social Psychology.
- b) Importance and Applications of Applied Social Psychology.
- c) Scope and Current status of Applied Social Psychology.

Unit : 2 Crime and Criminals:

- a) Definition, Nature and Characteristics of Crime and Criminals
- b) Psychological, Biological and Socio-cultural explanation of Crime and Criminals
- c) Walter Reckless theory of Crime and Preventive measures of Crime

Unit : 3 Terrorism:

- a) Definition Nature and Characteristics.
- b) Origin and Development in India.
- c) Consequences and Preventive Measures.

Unit : 4 Violence against Women:

- a) Definition, Nature and Characteristics.
- b) Type, Causes and Consequences.
- c) Legal Act in for Prevention.

References:

Singh, AK. , Samsj Manovigyan ki Ruprekha, Patna, Motilal Banarsidas.

Suleman, Md(2012). Manovigyan aur Samajik Samasyaye, Patna: Motilal Banarsidas.

Prasad, Navratan(2009). Samajik Samasyaye, Patna, Motilal Banarsidas.

Baron , R and Byrne(2010). Social Psychology: New Delhi: Pearson Education.

K, Renu(2010). Apradhsashtra aur Samajik Samasyaye, New Delhi: Atlantic Publication.

Pandey, G(2010). Samaj Manovigyan, New Delhi, Atlantic Publication.

Bandura, A(1990). Aggression : A Social Learning Analysis.New Jersey, Prentice Hall

Gelles & Cornell(2005). Intimate Violence in Families, Beverly Hills, Sage Publication.

Marwah, Ved(2004). Pathology of Terrorism in India, Delhi

Saxena, NS(2010). Terrorism: History And Facets in the World and India., New Delhi, Abhinav Publication.

Ahuja, Ram (2010). Sociological Criminology, New Age International Publisher.

Fitzgerald, Mike(2005). Crime And Society, New York Hammond worth.

Becker, Howard(2004). Social Problem, : A Modern Approach, New York, John Willey.

Practical - I

1. Colour Preference Test.
2. General Health Questionnaire by S.K. Verma.
3. Psychological Wellbeing by David Goldberg.
4. Emotional Maturity Scale by Mahesh Bhargave.

Reading List:

Suleiman, Md (2012). Manovigyan Mein Prayog aur Parikshan. Patna: Motilal Banarisidas.

Sinha, RRP (2001). Manovigyan me prayog, parikshan aur sankshiyiki.

Anastasi, A (1988). Psychological testing. New York: McMillan.

Psychology at work

Unit 1: Work Psychology

- (a) The origin of work psychology.
- (b) Work Psychology Today.
- (c) Work Psychology and Common sense.

Unit 2: Minority group at work.

- (a) Women at work.
- (b) Ethnic minority at work.
- (c) Disabled works.

Unit 3: Attitude at work.

- (a) What is an attitude?
- (b) How attitude measure?
- (c) Attitude and behaviour.

Unit 4: Stress at work.

- (a) What is stress?
- (b) The cost of stress?
- (c) The source of stress at work.
- (d) Relationship at work.

Reading List:

John, Aronld, Ivan, T Robertson, Cary, L. Cooger (2012) Work Psychology; New Delhi: Mc Millan India.

Kemp, N.J., Well . T.D., Clegg, C.W and Cordey, J.L. Antonomons work groups in a greefield site: A comparative study. Journal of Occupational Psychology.

Potter, J. and Weherell, M. Discouses and Social Psychology: Beyond Attitudes and behavior ., London: Sage.

Reethlis berger., F.J and Dickson, W.J. Management and the worker. New York: John Wiley.

Trist. E.L. and Bangosh, R.W. Some social and psychological consequences of the long wall method of coal getting. Human relation, 1-38.

Alderfer, C.A nd Thomas, D.A. The singnificance of race and ethnicity for understanding organisation behaviour. In C.L Cooper and I.T Robertson (Eds). International Review of I/O Psychology. John Wiley.

Brengel, I. Sex and race in the labor market. Feminist Review, 32 (summer), 49-68.

Davidson, M.J and Cooper, C.L The extra presence of women executive. Personal Management.

Davidson, M.J and Cooper. C.L Working women: An international quarterly. New York: John Wiley.

Fogarty. M.P., Rapaport . R. and Rapoport , R.N . Sex , career and family quarterly. Hills Calif: Sage.

Friedman, M. and Rosen man, R.H. Type A behavior and your heart. London: Wild Wood House.

Aizen. I. and Fishbein, M, Understanding Attitudes and Predicteny. Englewood cliffs, N.J: Prentice Hall.

Cacioppo, J. T and Petty, R.E. Effects of massage repletion and position one cognitive responses, recall and persuasion. Journal of Personality and Social Psychology.

Caldur, B. J. and Schure , P.H Attitudinal Processes in Organizational. In L. Cummings and B. Stand (Eds). Research in Organizational Behavior, Vol.3 Greenwich, Conn: JA1 Press.

Cooper, C.L, Sloan, S. and Willioms, S. Occupational Stress Indicator. Windsor: NFER/Nelson.

Eiser, J.R. Social Psychology: Attitudes, Cognitions and Social Behavior. Cambridge: Combridge: University Press.

Jamis, I and Feshbach, S. Effects of fear arousing communications. Journal of abnormal and Social Psychology.

Kiesler, C.A. The Psychology of Commitment. London: Academic Press.

Bortner, R.W. A short rating scale as a potential measure of pattern. A behavior Journal of chronic Diseases.

Razaque et al. (2012). New Horizons in Stress Management. New Delhi: Ayushman Publication House.

Beck, V. (1972). Working under pressure. London Staples Press.

Cooper, C.L. Executive Stress: A ten country comparison. Human Resource Management.

Cooper, C.L and Smith, M.J. Job Stress and Blue Coller Work. Chic ester: John Wiley.

Cox. T. Repetitive Work. In C.L. Cooper and R. Payne (Eds), Current Concerns in Occupational Stress. Chictrister: John Wiley.

Practical - II

Psychophysical Methods:

Determination of D.L for lifted weight and visual length by methods.

- (a) Limits.
- (b) Constant stimuli.

Reaction Time:

Sensorial and muscular reaction time, simple and complex.

Reading List :

Groth- Marnat, Garry (2005). The Handbook of Psychological Assessment (4 Ed). New York: John wiley and Sons.

Sulaiman, M. (2012) Manovigyan Mein Prayog aur Parikshan. Patna: Motilal Banarisidas.

Singh, A.K. (2012). Monovigyan Mein Prayog aum Parikshan. Patna: Motilal Banarsidas.

Guidance

Unit :1

1. Concept, assumptions, issues and problems of guidance.
2. Needs, scope and significance of guidance..

Unit 2:

1. Types of guidance. - educational , vocational and personal, group guidance.
2. Role of the teacher in guidance.
3. Agencies of guidance.- National level or state level.

Unit 3:

1. Educational guidance.
2. Principles of guidance.
3. Guidance and curriculum, guidance and classroom learning.

Unit 4:

1. Vocational guidance.
 2. Nature of work.
 3. Various motives associated with work.
 4. Approaches to career guidance.
- Vocationalization of secondary education and career development.

Semester IV

Paper		Total Marks		Distribution of marks mid and end semester			
		FM	PM	Mid-semester		End-Semester	
				FM	PM	FM	PM
Emergence and growth of Psychology	C.C-8.T	75	40%	20% of total marks	40%	80% of total marks	40%
Statistics II	C.C-9.T	75	40%	20% of total marks	40%	80% of total marks	40%
Social Psychology	C.C-10.T	75	40%	20% of total marks	40%	80% of total marks	40%
Practical - I	C.C-8,9&10.P	75	40%	20% of total marks	40%	80% of total marks	40%
*Psychology and media	GE-4.T	75	40%	20% of total marks	40%	80% of total marks	40%
*Practical - II	GE-4 P	25	40%	20% of total marks	40%	80% of total marks	40%
Personality Testing	SEC-2	50	40%	20% of total marks	40%	80% of total marks	40%

* **Not for Psychology Honors students.**

Psychology Honors student will choose G.E. of any one of the following subjects.

- (i) History.
- (ii) Geography.
- (iii) Political Science.
- (iv) Economics.

(v) Anthropology.

(vi) Sociology.

Emergence and growth of Psychology

Unit 1: History of Psychology:

Origin, development of psychology as an independent science.

Unit 2: Contributions in Psychology:

Main contributions- Wilhelm Wundt, E.B. Titchener, William James.

Unit 3: Objectivity in Psychology:

Development of Behaviorism- contributions of Watson.

Unit 4: Gestalt psychology:

Foundation of gestalt psychology, experimental contributions of gestalt psychology, criticism of gestalt psychology, present states of gestalt psychology.

Works of Wertheimer, Kohler and Koffka.

Reading List:

Boring. E.G. (1995). A History of Experimental Psychology. New York: Appleton Century Co.

Heidbreder, E. (1997). Seven Psychologies. New Delhi: Kalyani publishes.

Leaky, TH (1991). A History of Modern Psychology. New Jersey: Prentice Hall.

Murphy, G. (1960). Historical Introduction of Modern Psychology. London: Routledge and Kagan Private Ltd.

Raju, P. T. (1988). Structural Depths of Indian thought. New York: Albama State University.

Singh A.K. (2006). The Comprehensive History of Psychology Delhi: Motilal Banaridas Publication Private Limited.

Rahman, A. and Jawaid, A. (1994). Manovigyan ka Sanchhipt Itihas. Patna: Motilal Banarsidas.

Singh, A. K (2002). Manovigyan ka Sampradaya Evam Ithias Patna : Motilal Banarsidas.

Statistics II

Unit 1: Normal Probability Curve.

- (a) The nature of normal probability curve.
- (b) Characteristics of normal probability curve.
- (d) Use of normal probability curve.

Unit 2:

- (a) Historical perspectives.
- (b) Coefficient of correlation.
- (c) Calculation of Pearson coefficient of correlation.
- (d) Spearman's rank order correlation coefficient.

Unit 3: Null hypothesis.

- (a) Concept.
- (b) Computation of chi - square.
- (c) Testing of divergence of observed result from expected on the hypothesis of equal probability.
- (d) 2X2 contingency table.

Unit 4: Hypothesis testing and making inferences:

- (a) Significance of mean difference.
- (b) Computation of t - value - correlated and uncontrolled.
- (c) Interpretation of t - value.
- (d) Level of significance.

Reading List:

- Suleiman, Md. (2012). Shikah and Manovigyan the shankhiki. Patna: Motilal Banarsidas.
- Singh, A.K. (2012). Shiksha aum Manovigyan Me Shankhikis. Patna: Motilal Banarsidas.

Social Psychology**Unit 1:**

Psychological understanding of social system.

Indian family system.

Social stratification- caste, class, power, social identities- religious ethics.

Unit 2:

Social inequity poverty and deprivation:

Social psychological analysis of deprivation;

Consequences of deprivation, poverty-cause and measures.

Unit 3:**Environmental issues:**

- (a) Environment culture and behaviour.
- (b) Crowding – explanation and consequences.

Unit 4:

Anti-Social behavior:

- (a) Corruption and bribery.
- (b) Crime and delinquency causes, measures.

Unit 5:

Population explosion:

- (a) Consequences.
- (b) Causes.

(c) Remedies.

Reading List:

Misra, G. (1990). Applied social psychology in India; New Delhi, Sage.

Forsea, M. (1998). Family and Marriage in India, Japan: Sachi.

Sinha, D., Tripathi R.C. and Misra, G. (1995). Deprivation: Its social roots and psychological consequences, New Delhi: Concept.

Tripathi, R.C. (1998). Applied Social Psychology. In J. Pandey (ed.) Psychology in India, The state of the Art. Vol. II., New Delhi.

Singh, A.K (2002). Samaj Manovigyan ki Roop Rekha. Patna: Motilal Banarasi Das.

Alam, R and Razaque, (2006). Social Dimension of Human Behavior. New Delhi: Manak Publication.

Practical

1. Noise and Sensitivity Scale by Mohar I.S. et al.
2. Bhatia Battery of Performa test of intelligence.
4. Life satisfaction Scale by Pramod kumar.

Reading List:

Sinha R.R.P and Mishra, B.K. (1984). Manovigyan Mein Prayog ewam Sankhiyeki Patna: Bharati Bhawan.

Sulaiman, Md. (1996): Manovigyanik prayog aur Parikshan. Patna: Motilal Banarsidas.

Mohsin., S.M. (1982). Experimental Psychology Patna Motilal Banarasi Das.

Practical

1. Attention:

- (a) Distraction of Attention.
- (b) Span of Attention.

2. Forgetting

- (a) Test of retroactive inhibition.
- (b) Test of proactive inhibition.

Reading List:

Suleiman, Md. (2012). Manovigyan Mein Prayog aur Parikshan. Patna: Motilal Banarsidas.

Sinha, R.R.P and Mishra, B.K. (1984). Manovigyan Mein prayog ewam sankhiyeki. Patna: Bharati Bhawarn .

Mohsin, S.M. (1982). Experimental Psychology. Patna: Motilal Banarsidas.

Psychology and Media

Unit 1: Introductions and Defining Media Psychology:

Unit 2: Public Opinion About Media: Framing and Mental Models.

Unit 3: Measuring Media and the Experience of Technology.

Unit 4: Media Literacy and Digital Citizenship.

Reading List:

Baym, Nancy K. (2010). Personal Connections in the Digital Age, Chapter 1.

Giles, D.C. (2010). Psychology of the Media. London: Palgrave Mecomillan. Chapters 1,2,11 and 12.

Bandura, A. (2001). Social cognitive theory of mass communication. *Media Psychology*, 3(3). 265-299.

Reeves, B., and Anderson, D.R. (1991). Media studies and psychology.

Rutledge. P. (2012). Is There a need for a distinct field of media psychology in K. Dill (Ed).

Baym, Nancy K. (2010). Personal connections in the Digital Age, Chapter 2.

Giles, D.C. (2010). Psychology of the media. London: Palgrave Macmillan Chapter 9-10.

Gee, J. P. (2007). What video games have to teach us about learning and literacy (Revised and updated) (2nd Ed.). New York: Palgrave Macmillan. Chapters 1,2, and 6.

Johnson-Laird, P.N., And Byrne, R. (2000). Mental models: A Gentle introduction from http://www.tcd.ie/Pshchology/other/ruth_Byrne/mental_models/index_html.

Brewer, P.R. (2006). National interest frames and public opinion about world affairs. *The Harvard International Journal of Press/Politics*, 11(4), 89-102.

Chi, M.T.H. (2008). Three types of conceptual change: Belief revision mental model transformation, and categorical shift. In S. Vosniadou (Ed). Handbook of Research on conceptual change (pp. 61-82). Hillsdale, NJ: Erlbaum,

Lyengar, J. (2005). Speaking of values: The framing of American Politics. *The Forum*, 3(3), 1-9.

Sheufele, D.A., and Tewksbury, D. (2007). Framing agenda setting and priming: The evolution of three media effects models. *Journal of communication*, 57 (1), 9-20.

Sheufele, D. (1999). Framing as a theory of media effects *journal of communication*, winter, 103-122.

Baym, Nancy K. (2010). *Personal Connections in the Digital Age*, Chapter 3

Giles, D.C. (2010). *Psychology of the Media*. London: Palgrave Macmillan, chapters 3-8.

Garton, L. Haythornthwaite, C., and Wellman, B. (1997). Studying Online social network. *Journal of Computer Mediated Communication*, 3 (1).

Anderson, C, A., Berkowitz, L., Donnerstein, E., Huesmann, L, R., Johnson, J.D., Linz, D., et al. (2003). The influence of media violence on youth. *Psychological Science in the Public Interest*.

Ferguson, C. J. (2009). Media violence effects: Confirmed truth or just another X-File. *Journal of forensic psychology practice*, 9 (2), 103-126.

Ferguson, C.J. (2009). Violent video game: Dogma, fear, and pseudoscience. *Skeptical Inquirer*, September/October.

Kutner, L., and Olson, C.K. (2008). *Grand theft childhood: the surprising truth about violent video game and what parents Can Do*. New York: Simon and Schuster.

Sternheimer, K. (2009) *Connecting social problems in popular culture*. Westview press.

Giles, D.C. (2003). *Media Psychology*. Mahwah, New Jersey: Lawrence Erlbaum Associates., Chapter 3.

Prensky, M. (2001). Digital Natives, Digital Immigrants. *On the Horizon*, 9(5). Part 1.

Prensky, M. (2001). Digital Natives, Digital Immigrants: Do they really think differently. *On the Horizon*, 9(6). Part 2.

Strudley, G. (2008). The media literacy of primary school children: Literature Review, from [http://gdstrudley3. Webs.com](http://gdstrudley3.Webs.com).

Jenkins, H. (2008). Convergence culture: Where old and New Media collide (Revised ed.). New York: University Press., Chapters 5 and 6.

Longford, G. (2007). Pedagogies of digital citizenship and the politics of code. *Techne: Research in philosophy and technology*, 9 (1).

Jenkins, H., Purushotma, R., Clinton, K., Weigel, M., and Robinson, A, J. (2006). Confronting the challenges of participatory culture: Media Education for the 21st Century. Retrieved September, 12, 2009.

Personality Testing

1. Vocational Interest Record- S.P Kulshrestha.
2. Test of Democratic Values- Dr. Alok Gardia.
3. Creative Behavior Questionnaire. Prof. AP Singh and AK Singh.
4. Mental Health Questionnaire – Srivatav and Bhatia.

Semester V

Paper		Total Marks		Distribution of Marks Mid and End Semester			
		FM	PM	Mid-Semester		End-Semester	
				FM	PM	FM	PM
Organizational Psychology	C-11.T	75	40%	20% of total marks	40%	80% of total mark	40%
Abnormal Psychology	C-12.T	75	40%	20% of total marks	40%	80% of total mark	40%
Practical I	C-11&12P	50	40%	20% of total marks	40%	80% of total mark	40%
Educational Psychology - II	DSE-1.T	75	40%	20% of total marks	40%	80% of total mark	40%
Emotional intelligence	DSE-2.T	75	40%	20% of total marks	40%	80% of total mark	40%
Practical II	DSE-1&2.p	50	40%	20% of total marks	40%	80% of total mark	40%

Organization Psychology

Unit 1 : Introduction and issues in Organizational Psychology

- (a) Brief History of Organization Psychology. Industry and Organization;
- (b) Current status of Organizational psychology.
- (c) Psychology in the Indian context: Organizational structure.
- (d) Organizational climate and culture.

Unit 2: Introduction of work related attitudes and work motivation

Job satisfaction, Job involvement, Organization commitment, Organizational Citizenship Behavior; Psychological Contract, work engagement .

Unit 3: Leadership

Contemporary perspectives on leadership

Cross-cultural leadership issues

Indian on leadership

Diversity issues in leadership.

Unit 4: Positive Organizational Behavior

(a) Optimism

(b) Emotional Intelligence

(c) Self-Efficacy

(d) Work life balance.

Reading list:

Arnoldt, M.G. (2001) Industrial Organizational Psychology. Indiana: Cengage Learning.

Greenberg, J. and Baron, R.A. (2007). Behaviour in Organizations (9th Ed.). Indiana: Dorling Kindersley.

Luthans, F. (2009). Organizational behaviour. New Delhi: McGraw Hill.

Muchinsky, P. (2006). Psychology applied to work: An introduction to industrial and organizational psychology. NC: Hypergrabhic Press.

Pareek, U. (2010). Understanding Organizational Behaviour. Oxford: Oxford University Press.

Prakash, A. (2011). Organizational behaviour in India: An indigenous perspective. In G. Misra (Ed.), Handbook of Psychology. New Delhi: Oxford University Press.

Singh, K. (2010). Organizational behaviour: Texts and Cases. Indiana: Dorling Kindersley.

Abnormal Psychology

Unit 1: Definition of abnormality,

- (a) Criteria
- (b) Classification
- (c) Clinical assessment.

Unit 2: Clinical States

- (a) Clinical Picture of GAD, OCD, and Phobias.
- (b) Dynamics of anxiety disorders.
- (c) Clinical picture of conversion disorder and its dynamics.
- (d) Clinical picture of dissociative identity disorder and its dynamics.

Unit 3: Developmental Disorders. Mental Retardation,

- (a) Autism,
- (b) ADHD
- (c) Learning Disabilities.

Unit4: Diathesis-Stress Model

- (a) The Impact of stress on Physiological Parameters (Coronary Heart Diseases and Essential Hypertension)
- (b) Substance-related disorder.

Reading List:

Ahuja N. (2011). A short Textbook of psychiatry (7th Ed.) New Delhi: Jaypee.

Barlow D.H. and Durand V.M. (2005). Abnormal Psychology: An Integrated Approach (4th Ed.) Wassworth: New York.

Carson R.C., Butcher J.N., Mineka, A., and Hooley J.M (2007). *Abnormal Psychology* (13th Ed.). ND: Pearson Education.

Kring, A. M., Johnson, S. L., Davison G.C. and Neale J.M. (2010). *Abnormal Psychology* (11th Ed.). NY: John Wiley.

Practical

1. Recall and Recognition.
2. Aesthesiometric Index.
Method of limits
3. Fatigue through Ergograph.
4. Role of mental set in thinking.

Reading List:

Sinha R.R.P and Mishra, B.K. (1984). *Manovigyan Mein Prayog ewam Sankhiyeki* Patna: Bharati Bhawan.

Sulaiman, Md. (1996): *Manovigyanik prayog aur Parikshan*. Patna: Motilal Banarsidas.

Mohsin., S.M. (1982). *Experimental Psychology* Patna Motilal Banarasi Das.

Practical II

1. R.T.
2. Cattell 16 PF
3. Chatterji's non-verbal test of intelligence.
4. PGI Social Support

Reading List:

Sulaiman, M. *Manovigyan Mein Prayog aur Parikshan*. Patna: Motilal Banarasisidas.

Singh, A.K. Manovigyan Mein prayog aur Parikshan. Patna: Motilal Banaridas.

Educational Psychology - II

Unit 1: Educational Psychology:

- (a) Concept.
- (b) Scope of educational psychology.
- (c) Contribution of psychology in education.

Unit 2: Human Development:

- (a) Concept, principles and sequential stages of development.
- (b) Factors influencing development and their relative roles.
- (c) General characteristics and problem for each stage.

Unit 3: Learning:

- (a) Concept, Types of learning.
- (b) Various view points of learning.

Unit 4: Individual difference: Concept of individual difference.

- (a) Creativity - nature, process, identification, fostering and guiding, creative children.
- (b) Adjustment of teaching- learning process to suit individual difference, learning style and teaching strategies.

Reading List:

Kakar (2015). Educational Psychology. New Delhi: Prentice Hall.

Skinner,(2010). Educational Psychology. New York: Academic.

Singh, A.K. (2015). Shiksha Manovigyan. Patna: Motilal Banarsidas.

Suleman, Md. (2015) Ucchatar Shiksha Manovigyan. Patna: Motilal Banarsidas.

Emotional intelligent

Unit 1: Understanding Emotional Intelligence.

Personality and emotional intelligence.

Unit 2: The Ability Model of Emotional Intelligence.

The Trait model of emotional intelligence.

The Mixed model of emotional intelligence.

Unit 3: The Bar-On Model of Emotional, Social Intelligence and the Genos Model.

Criticism of the theoretical foundation and measures of assessment of emotional intelligence.

Emotional Intelligence, personality disorders, and Individuals on the autism spectrum .

Unit 4: Emotional Intelligence and Personal Relationships.

Emotional Intelligence at the Workplace.

Improving your emotional intelligence.

Semester VI

Paper		Total Marks		Distribution of marks mid and end semester			
		FM	PM	Mid-semester		End-semester	
				FM	PM	FM	PM
Clinical Psychology	C-13.T	75	40%	20% of total marks	40%	80% of total marks	40%
Counseling Psychology	C-14.T	75	40%	20% of total marks	40%	80% of total marks	40%
Practical - I	C-13&14P	50	40%	20% of total marks	40%	80% of total marks	40%
Human Resource Management	DSE-3.T	75	40%	20% of total marks	40%	80% of total marks	40%
Community Psychology	DSE-4.T	75	40%	20% of total marks	40%	80% of total marks	40%
Practical - II	DSE-3&4.p	50	40%	20% of total marks	40%	80% of total marks	40%

Clinical Psychology

Unit 1: Schizophrenia:

- (a) Type, cause, etiology, treatment.

Unit 2: Mood Disorders:

- (a) Type, cause, etiology, treatment.

Unit 3: Personality Disorders :

- (a) Antisocial- Personality.

- (b) Borderline personality disorders.
- (c) Sexual disorders (Clinical Picture):
 - * Paraphilias
 - * Gender Identity Disorder
 - * Sexual Dysfunction

Unit 4: Intervention and Management

- (a) Biological.
- (b) Psychoanalytic.
- (c) Cognitive.
- (d) Behavioral.

Reading List :

Ahuja, N. (2011). A Short Textbook of Psychiatry (7th Ed.) New Delhi: Jaypee.

Barlow D.H. and Durand V.M. (2005). Abnormal Psychology: An Intergrated Approach (4th Ed.). New Delhi: Pearson Education.

Carson R.C., Butcher, J.N., Mineka, S, and Hooley J.M. (2007). Abnormal Psychology (13th Ed.). New Delhi: Pearson Education.

Kring, A.M., Johnson, L.L., Davison, G.C. and Neale, J.M. (2010). Abnormal Psychology (11th Ed.). New York: John Wiley.

Counseling Psychology

Unit 1: Introduction.

- (a) Definition and nature.
- (b) Counseling as a profession-training, activities and professional ethics.
- (c) The effective counselor- Personality characteristics, skills, self of counselor.

Unit 2: Counseling Process.

- (a) Stages of counseling.

- (b) Assessment for counseling.

Unit 3: Counseling Theory and Techniques.

- (a) Individual counseling theory and techniques-Psychoanalytic, Humanistic, Behavioral, Cognitive.
- (b) Group techniques.

Unit 4: Counseling Application.

- (a) Family and couples counseling.
- (b) School and Career counseling.
- (c) Workplace counseling.
- (d) Counseling for wellness.

Reading List:

Feltham, C and Horton, I. (2000). Handbook of Counseling and Psychotherapy. London: Sage.

Gibson, R.L. and Mitchell, M.H. (2003). Introduction to Counseling and Guidance (6th Ed.). New Delhi: Pearson India.

Gliadding, S.T. (2009). Counseling: A comprehensive profession (6th Ed.) New Delhi: Pearson India.

Misra, G. (Ed.) (2010). Psychology in India, (Volume 3). Clinical and Health Psychology. New Delhi: Pearson India.

Rao, S. (2002). Counseling and Guidance (2nd Ed.) New Delhi: Mc Graw Hill.

Practical - I

1. Verbal General Intelligence Test of Joshi.
2. Verbal General intelligence test of Ram Naresh.
3. Emotional Maturity Scale by R.R. Tripathi.
4. Differential Personality Scale of Arun Kumar Singh

Reading List:

Sulaiman, M (2012). Manovigyan Mein Prayog aur Parikshan. Patna: Motilal Banarisidas.

Singh, A.K(2013). Manovigyan Mein Prayog aur Parikshan. Patna: Motilal Banarisidas.

Human Resource Management

Unit 1: Introduction to Human Resource Management (HRM)

HRM and HRD, Context and issues in HRM

Unit 2: Human Resource Practices

Job analysis, recruitment and selection, training, performance, evaluation

Unit 3: International human resource management (HRM)

The context of globalization, Forms of IHRM/Types of cross-national organizations (Domestic, International, Multinational, Global, Transnational), Role of culture in IHRM, Dimensions of cultural difference.

Unit 4: International Human Resource Management (IHRM)

Policies and practices in the multinational enterprise. Selection for international assignees, expatriate failure, training: development of a global mind set, Cross-cultural training, well-being of the global work force.

Reading List

Bhatnagar, J. and Budhwar, J . (2009). The Changing Face of People Management in India. London: Routledge.

Briscoe, D. R., Schuler, R. S. and Claus, L. (2009). International Human Resource Management: Policies and Practices for Multinational Enterprises (3rd Ed). New York: Routledge.

DeCenzo, D. A nd Robbins, S.P. (2006). Fundamentals of Human Recourse Management (8th Ed). New York: Wiley.

Harzing, A.W.K. and Pennington, A. (2011). International Human Resource Management. New Delhi: Sage publications.

Khandelwal, K.A. (2009). In search of Indianess: Cultures of Multinationals. New Delhi: Knnishka Publishers.

Community Psychology

Unit 1: Historical and Social contexts of Community Psychology: Concept, evolution and nature of community mental health.

Unit 2: Models of mental health services: mental, social, organizational and ecological.

Unit 3: Community mental health, intervention and community based rehabilitation. Issues, principles and programmers, evaluation of CBR, training the Para - professional and non-professionals.

Unit4: Community mental health in India: Issues and challenges.

Reading List:

Bloom, B. (1973). Community Mental Health – A critical analysis. New Jersey. General Learning Press.

Koch, C.H (1986) (ed.). Community Clinical Psychology. London: Croom Helm.

Mann, P.A. (1978). Community Psychology: Concepts and Application. New York:

The Free Press. Rappaport, J. (1977). Community psychology: Values Research and Action. New York: Holt, Reinehart and Wingston.

Practical - II

1. Eysenck Personality Questionnaire.
2. All port Vernon Lindsley Scale of Value.
3. Edward Personal Preference Schedule.
4. Tripathi Personal Preference Scale.

Reading List:

Sulaiman, M. Manovigyan Mein Prayog aur Parikshan. Patna: Motilal Banarisidas.

Singh, A.K. Manovigyan Mein Prayog aur Parikshan. Patna: Motilal Banarisidas.