

**COURSES OF STUDIES
SCHOOL OF PSYCHOLOGY**

**FOR PH.D. DEGREE SYSTEM
IN PSYCHOLOGY**



**GANGADHAR MEHER UNIVERSITY
AMRUTA VIHAR, SAMBALPUR-04, ODISHA**

SEMESTER- I
Recent trends in Psychology
Paper-711
Marks-100(80+20)

Unit-I

Concept, definition and nature of counseling. Characteristics an effective counselor. Application of counseling: Family and marriage counseling, student counseling, child counseling, mental health and community counseling.

Unit-II

HRM , the global and Indian scenario: Meaning and definition of HRM, scope and challenges of HRM, model and functions of HRM. Recruitment and job analysis :(a) Meaning, definition, sources and purpose of job recruitment.(b) Meaning, definition, process and purpose of job analysis.

Unit-III

Perspective on mental health and classification of mental disorder: (a) Mental health concept and challenges, mental health resources, services and legislation in India. (b) System of classification of mental disorder, need for classification, principles of classification , current issues in classification, ICD-10 and DSM-V. Specific disorders : Epidemiology , clinical picture, diagnostic criteria, etiology, symptoms and treatment of –(a) Somatoform disorders (somatization, hypochondriasis, conversion disorder, body dysmorphic disorder);(b) Anxiety disorders(generalized anxiety disorder, phobias, panic, obsessive-compulsive disorder);(c) Mood disorder (bipolar & unipolar, depression and suicide).

Unit-IV

Introduction to biopsychology, Divisions of biopsychology, functioning of CNS: Structure and functions of neurons; Neural conduction and synaptic transmission; Organization of nervous systems- Brain & Spinal Cord

Neuroplasticity and rehabilitation: Plasticity of the Adult Brain: neuroplastics responses to nervous system damage (neural degeneration, neural regeneration, neural reorganization, and recovery of function);Neuroplasticity and the treatment of nervous system damage: Blocking neurodegeneration, promoting regeneration, neurotransplantation, and rehabilitative training

RECOMMENDED BOOKS

1. Baungardner, S.R.M.K(2010)Positive psychology
2. Seligman M.E.P.(2002) Authentic Happiness
3. Snyder, C.R. & Lopez, S.J.(2007) Positive psychology
4. Berwett, P(2006) Abnormal & clinical psychology: An introductory text book, New York: Open University Press.
5. Carson, R.C. Butcher, J.N. Mineka, S.& Hooley, J.M. (2008) Abnomal Psychology, New Delhi : Pearson
6. Robbins ,S.P & Judge , T.V (2007) Organizatonal Behaviour 12th Edition, New Delhi.
7. Chadha, N.K.(2009) Applied Psychology, Sage Pub: New Delhi
8. Pinel, J.P.J. (2011) Biopsychology (8thEdition) Pearson Education New Delhi
9. Passer & Smith Psychology : The science of Mind & behavior
- 10.Counselling a comprehensive profession,7thedition Samuel T.Gladding(2012) ,percentile hall.
- 11.Human Resource Management 4thedition,K. Aswathappa
- 12.Sarafino, E.P.(2002) Health psychology: Bio-Social interaction (4thedition)N.Y.Wiley.
- 13.Rao,S.N. & Sahajpal P.(2013) Counselling & Guidance New Delhi: Tata Mc Graw Hill

Paper-712

Marks-100 (80+20)

Research Methodology-I

Unit-I

Introduction and scope, Research problem: Identification, Selection, Formulation of research objectives, Research design: Components. Types and Importance, Research ethics, Institutional ethics committee Plagiarism-Pitfall

Unit-II

Types of technical documents; Full length research paper, Short/Brief communications ,Letters to editor , Book chapter, Review, Conference report, Project proposal, Components of a full length research paper;

Title/Topic statement , Abstract/Key words, Aims and objectives, Hypothesis building, Rationale of the paper, Work plan, Materials and methodology, Results and discussion, Key issues and arguments , Acknowledgement, Conflict of interest statement, bibliography, Technical Resumes & Cover Letters, Components of a research proposal; Project summary , key words, Origin of the proposal, Major objectives, Methodology, Instrument facility available in the PI's department , Overview project in the context of current status, Bibliography.

Unit-III

How to cite and how to do referring, Literature search technique, using SCOPUS, Google Scholar, PUBMED, Web of Science, Indian Citation Index, and RG , Styles of referencing , APA,MLA, Oxford, Havard ,Chicago, Annotated bibliography , Tools for citing and referencing Grammarly, Endonate etc.

Unit-IV

Tables, Figures, and pictures using Excel, Power Point ,Slide preparation, Preparation of posters, Electronic submission of manuscripts , Communication skills, oral and poster.

Paper-713

Marks- 100 (80+20)

Research Methodology-II

Unit-I

Patents

Patent law, process of patenting a research finding

Intellectual property (IP), Intellectual Property Right (IPR), Copy right laws Cyber laws

COPE

Unit-II

Quantitative Data Analyses

Types of data, Data collection – Methods and Tools

Hypothesis testing

Normal and Bionomial distribution and their property Test of significance: Student t-test, F-test, Chi-square test

Correlation and Regression

Anova-One –way and Two –way, Multiple-range test

Unit-III

Computer Fundamental:

Introduction to MS-Office software: MS-Word(Track change)

MS-Excel

MS-Power point

MS-Access

Features for Statistical data analysis using computers and software,
Microsoft Excel Data Analysis ToolPak, SPSS

Unit-IV

Advanced tools and techniques:

Naturalistic observation, case study, correlational method, experimentation, survey use of statistics as a tool for collection and evaluation of psychological data (Psychometric, Factor analysis, Experimental design, Multivariate Behavioral Research

Use of advanced imaging techniques: (CAT, MRI, PET and SQUID)

Use of electrical /electronic stimulus and response recording techniques:-

(i) EBS, Electrical brain stimulation, (ii) Electrophysiological techniques, (iii) Single-unit recording technique etc.

Psychopharmacological techniques: Drugs like, (Narcotic and psychedelic drugs)

Computer assisted/aided design of research

Yoga, meditation, relaxation techniques in health and well being and therapeutic procedure.

RECOMMENDED BOOKS

1. Robert A. Barron Psychology
2. King, B.M. & Minimum, E.W. (2007) Statistical Reasoning in Behavioural Sciences (5th edition)
3. Aron, A. Aron, E.N & Coups, E.J. (2007) Statistical reasoning in the behavioural sciences (4th edition), India Prentice Hall
4. Field, A. (2009) Discovering Statistics using SPSS (3rd Edition) New Delhi: Sage
5. Sigel, S. (1956) Non parametric Statistics. NY; MC Graw Hill
6. A.K. Singh-Measurement Behavioural Sciences
7. Mangal, S.K. 2012 Statistics in Psychology & Education 2nd Edition, New Delhi. PHI learning Pvt. Ltd.
8. Coolican H. (2006) Introduction to research methodology in psychology, London, Hodder Arnold

9. Buranen L and Roy AM: Perspective on Plagarism and Intellectual Property in a post-Modern World
10. CR Kothari: Research methodology :Methods & techniques,2008
11. Gilmore B:Plagiarism:Why it happens, How to prevent it ?
12. Gralla P:How Internet works
13. Habraen J:Microsoft office 2003 All in One, Microsoft office 2010 In Depth
14. Kumar anupa P:Cyber Law
15. R Panneselvam: Research Methodology
16. Shelly GB, Vermat ME, Cashman YJ: Microsoft 2007 Introductory Concepts and techniques
17. sood V: Cyber Law Simplified
18. Summer M:Computers:Concepts & Uses
19. White R:How Computers Works
20. zar JH:Bio statistical Analysis

Paper-714

Marks-200(150+25+25)

RIVIEW WORK

(Report Writing + Seminar Presentation of the Report + Viva-voce)

Books

1. Research method and statistics in psychology(2017)-Huge coolican
- 2.Advanced Research methods for applied Psychology-Design, Analysis and Reporting-(2018)-Paula Brough
- 3.Research in Psychology methods and Design (2016)-C. James Goodwin, kerri A. Goodwin .
- 4.Research methods in psychology(2012)-Glynis M Breakwell, Jonathan A Smith , Daniel B Wright.
- 5.Methods in psychology Research (2018)-Bryan J.Rooly, Annabel Ness Evans

6. Introduction to Research methods in psychology (2007)- Dennis Howitt, Duncan Cramer

7. Research methods in psychology : Investigating Human Behavior(2018)-Paul G.Nestor, Russell K. Schutt.

8. Advanced Research methods in psychology(2013)-David Giles.

9. Cross-cultural Research methods in psychology,(2010)-David matsumoto, Fons J.r. Vande

10. Research methods in clinical psychology: Vijver. An Introduction for students and practitioners(2015)-Chris barker, nancy pistrang, Robert Elliott.