

# **COURSES OF STUDIES SCHOOL OF PSYCHOLOGY**

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



**2023-2024**

**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: neuroplasticresponses 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) Abnormal Psychology, New Delhi : Pearson
6. Robbins ,S.P & Judge , T.V (2007) Organizational Behaviour 12<sup>th</sup> Edition, New Delhi.
7. Chadha, N.K.(2009) Applied Psychology, Sage Pub: New Delhi
8. Pinel, J.P.J. (2011) Biopsychology (8<sup>th</sup>Edition) Pearson Education New Delhi
9. Passer & Smith Psychology : The science of Mind & behavior
10. Counselling a comprehensive profession,7<sup>th</sup>edition Samuel T.Gladding(2012) ,percentile hall.
11. Human Resource Management 4<sup>th</sup>edition,K. Aswathappa
12. Sarafino, E.P.( 2002) Health psychology: Bio-Social interaction (4<sup>th</sup>edition)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, Harvard, 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 Binomial 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 (5<sup>th</sup> edition)

3. Aron, A. Aron, E.N & Coups, E.J. (2007) Statistical reasoning in the Behavioural sciences (4<sup>th</sup> edition), India Prentice Hall

4. Field, A (2009) Discovering Statistics using SPSS (3<sup>rd</sup> 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 2<sup>nd</sup> 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 Plagiarism 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 Pannerselvam: 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. zarJH: Bio statistical Analysis

### **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, nancypistrang, Robert Elliott.

## **Paper-714**

**Marks-200 (150+25+25)**

### **REVIEW WORK**

**(Report Writing +Seminar Presentation of the Report+ Viva-Voce)**

#### **Reference:**

1. Siegel, S. (1956). *Non- Parametric Statistics for Behavioral Sciences*, New York: McGraw Hill.
2. Broota, K.D. (1992). *Experimental Design in Behaviourial Research*. ND: New Age International Pub.
3. Weinberg, D. (2002). *Qualitative Research Methods*, Blackwell Publishers.
4. Singh, A. K., (2017). *Test Measurements and Research Methods in Behavioral Sciences*. 5th Edition, Bharati Bhawan Publishers & Distributors.
5. Smith, J. A. (2008). *Qualitative Psychology: Practical Guide to Research Methods*. London.
6. Howell, D. C. (2002). *Statistical methods for Psychology*, 5<sup>th</sup> Edition, Duxbury, California: Thomson Learning.
7. Bridget, S. & Cathy, L. (Eds.) (2008). *Research Methods in the Social Sciences*. New Delhi: Vistaar Publication.
8. Shaughnessy, J.J., Zechmeister, E.B., &Zechmeister, J.S. (2011). *Research Methods in Psychology*. 9<sup>th</sup> Edition. McGraw-Hill Education/Asia.
9. Best, J.W., Jha, A.K., & Kahn, J.V. (2007).*Research in Education*. 10<sup>th</sup> Edition Pearson.
10. Breakwell, G.M., Smith, J.M., & Wright, D.B. *Research Methods in Psychology*. 4<sup>th</sup> Edition. SAGE.
11. Burke, P. J. (2006), *Contemporary Social Psychological Theories*. Stanford Social Sciences
12. Delamater, J. (2003) *Handbook of Social Psychology*. New York: Kluswer Academic.

13. Feldman, R.S. (2000), *Development Across the Life span*, 2nd Edition, Prentice Hall, New Jersey.
14. Vohra, S.S. & Kailash.S.(2010). *Experiential learning (section III) in Psychology of Turbulent Relationships*. New Delhi: Icon Publishers.
15. Ogden, J. (2012). *Health psychology*. McGraw-Hill Education (UK).
16. Baum, A., Gatchel, R. J., & Krantz, D. S. (1997). *An introduction to health psychology*. New York: McGraw Hill.
17. Compton, W. C. (2005). *Introduction to Positive Psychology*. Thomson Wadsworth.
18. Csikszentmihalyi, M. (2000). *The contribution of flow to positive psychology*.
19. Nelson, R & Jones (2004) *Practical Counselling & Helping Skills*, New Delhi, Sage Publication.
20. Woolfe R. and Dryden, W. (1996) *Handbook of Counselling Psychology*, Sage Publications.