

# **COURSES OF STUDIES SCHOOL OF PSYCHOLOGY**

---

---

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



**2020-2021**

**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) OrganizationalBehaviour 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, 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 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.