

1. Kolb, B., & Whishaw, I.Q., (2015). Fundamentals of Human Neuropsychology 7<sup>th</sup> edition. New York: Worth Publishers Ltd.

**Reference books:**

1. Beaumont J. G. (2008) Introduction to neuropsychology 2<sup>nd</sup> edition. The Guilford press, New York.
2. Goldstein, L.H., & McNeil, J. E., (2004). Clinical Neuropsychology. London: John Wiley and Sons Ltd.
3. Strauss, E., et.al. A Compendium of Neuropsychological Tests. London: Oxford University Press.
4. Lezak M. D. (1998) Neuropsychological Assessment. Oxford University press, London.
5. Laura H. Goldstein (2003); *Clinical Neuropsychology: A Practical Guide to Assessment and Management for Clinicians*. Wiley Publication

SEMESTER IV			
Elective I Rehabilitation Psychology			
Code: 21PPSCE1	Hrs/Week: 4	Hrs/ Sem: 60	Credit: 4

**Vision:** To impart the knowledge of Rehabilitation Psychology

**Mission:** To develop the students into confident rehabilitation psychologists

**Course Outcomes:**

<b>CO. No</b>	<b>Upon Completion of this course, students will be able to</b>	<b>PSO Addressed</b>	<b>Cognitive Level</b>
CO-1	know the nature of the persons with disabilities and biological perspectives of disability	1,2	Le
CO-2	obtain an understanding of the types of disability and its causes	3,1	Un
CO-3	develop the knowledge of the rehabilitation work settings and their roles	2,5	An
CO-4	understand the roles of caregivers and working with families of persons with disabilities	3	Ap
CO-5	gain the knowledge about the psycho diagnostic assessments of persons with disability	1,4	Un
CO-6	develop the thinking of the training programs for rehabilitation psychologist	5,2	Ap
CO-7	develop in depth knowledge about the mental health act	1,5	Ln
CO-8	know the rehabilitation council of india and its role and contribute to the field	1,4	Cr

## **Unit I: Introduction**

Nature and needs of persons with disabilities - Psychosocial and Biological Perspectives of Disability - Concept of rehabilitation - Rehabilitation Psychology - Definition-historical perspective-scope and methods of Rehabilitation Psychology -Functions of Rehabilitation Psychology.

## **Unit II: Types of Disability**

Mental Illness – Definition – nature - types and characteristics of various disabilities as per PWD Act including- Mental Retardation - Learning disabilities - Visual disabilities Hearing and speech disabilities - Orthopedic and Neuromuscular disability Cerebral Palsy-Multiple Disabilities-Autism

-Hanson's disease - Cardiac rehabilitation - Coping with cancer - HIV / AIDS-Incidence – prevalence - causes and prevention of above mentioned various disabilities.

## **Unit III: Psychologist in Rehabilitation Setting**

Role of psychologist in disability rehabilitation - Work settings of rehabilitation psychologists - Designing training programmes for rehabilitation psychologists- Understanding psychological needs of caregivers -working with families of persons with disabilities.

## **Unit IV: Psychodiagnostic Assessments of Persons with Disability**

Psychodiagnostic Assessments of Persons with Disability - Screening and early identification of persons with disabilities - Developmental Assessment.Psychological Assessment - Intellectual assessment - Assessment of Adaptive Behaviour.

## **Unit V: Legislations**

Mental Health Act - Persons with Disability Act - Rehabilitation Council of India Act - and National Trust Act.

### **Text Book**

1. Robert G. Frank, Mitchell Rosenthal, Bruce Caplan, (2009), *Handbook of Rehabilitation Psychology*, American Psychological Association, Washington, D.C., United States.

## References

1. Golden C.J., 1984. *Current Topics in Rehabilitation Psychology*: Grune& Stratton, London.
2. Government of India (1995). *The Persons with Disabilities (Equal Opportunities, Protection of Rights, and Full Participation) Act*, New Delhi: Ministry of Social Justice and Empowerment.
3. Fraser N. Watts & Douglas H. Bennet (1983). *Theory and Practice of Psychiatric Rehabilitation*. John Wiley & Sons, New York.
4. McKay Moore Sohlberg&Catherine A. Mateer (2001). *Cognitive Rehabilitation – An Integrative Neuropsychological Approach*. The Guilford Press. New York. London.
5. Kerkhoff, T., Hanson, S., Guenther, R., & Ashkanazi, G. (1997). *The foundation and application of ethical principles in rehabilitation psychology*. *Rehabilitation Psychology*, 42 (1),17-30.

SEMESTER II			
Core V Counselling Psychology			
<b>Code: 21PPSC21</b>	<b>Hrs/Week: 5</b>	<b>Hrs/ Sem: 75</b>	<b>Credit: 4</b>

**Vision:** To impart different models and ethical principles of counselling psychology.

**Mission:** To understand the skills to be practiced in a counselling sessions.

**Course Outcomes:**

CO.No.	Upon completion of this course, students will be able to.	PSO addressed	CL
<b>CO-1</b>	know the emergence of counselling and their ethical principles.	1 & 2	Re, Un
<b>CO-2</b>	understand various theories and techniques applied in counselling sessions.	2 & 3	Un, An
<b>CO-3</b>	understand about the process in which counselling services are provided.	4 & 5	Ev, Un
<b>CO-4</b>	apply the skills described to counsel individuals and master them by practicing.	3 & 4	Un, Ap
<b>CO-5</b>	know about the two different models of counselling.	5 & 7	Un, Ev
<b>CO-6</b>	evaluate the differences in the two models of counselling.	5 & 6	Un, An
<b>CO-7</b>	evaluate one's personal difficulties in dealing with clients and also about difficult clients in general.	6 & 8	Un, Ev
<b>CO-8</b>	create a wider understanding about the skills and techniques applied in counselling.	1,4 & 8	Cr, An

## **UNIT I- Introduction**

The emergence of Counselling, Definition, Understanding the goals of counselling – Outcome and Process, Ethics in counselling.

## **UNIT II- Theories and Techniques Applied in Counselling**

**Theories of counselling** – Psychoanalytic, Person centered, Gestalt, Cognitive, Behavioral, and JPMR - Systematic Desensitization.

**Techniques to Improve Counselling** - Structuring, Leading, Questions, Handling Hesitant Clients, Resistance, Transference and Counter Transference, Commitment to Action and Termination – Process of Goal Setting, Design and Implementation, Termination.

## **UNIT III- Basic Communication Skills for Counselling**

Attending: Being visibly tuned to the clients – The Micro skills of attending, the helper's nonverbal communication, Active Listening, The shadow side of listening to clients, Listening to oneself; Basic empathy –The three dimensions of responding skills, communicating understanding to clients, Basic empathy formula, principles to guide the use of empathy; The art of probing and summarizing – Principle in the use of probe, The art of summarizing

## **UNIT IV- Egan and Patterson's Model of Counselling**

**Overview of Egan's skilled helper model** – Stage I: The current state of affairs – clarification of the key issues calling for change; Stage II: The Preferred Scenario – Helping client determine what they need and want; Stage III: Strategies for action – Helping clients discover how to get what they need or want; Action: making it all happen – Helping clients turn decisions into problem-managing action; Ongoing evaluation of the helping process;

**Patterson's Model** – Stages and skills in counselling process: the three stages of counselling in perspective – ways to initiate communication and build counselling relationship; core conditions of counselling; ways to enhance communication; in-depth exploration – goals & methods – advanced empathy, immediacy, confrontation, interpretation; role playing, emotional catharsis, transference and counter transference. The process of goal setting, design & implementation of action plans.

## **UNIT V- Dealing with Difficult Clients**

Client's reluctance and resistance; Working with client's reluctance; Counsellor's emotions towards the ambivalent, indifferent or oppositional clients; Working with ambivalent, indifferent & oppositional clients: Understanding hesitant clients.

### **Test Book**

1. Patterson, L.E.,Welfel, E.R. (2000). *The counselling process*, (5thed). Wadsworth, Brooks/Cole Thomson Learning.
2. Egan, G. (2013). *The skilled helper – A Problem Management Approach to Helping*. Brooks/Cole Publishers

### **Reference**

1. Jones, N., (1982), "*The Theory and Practice of Counseling Psychology*", Holt Rinehart & Winston, New York.
2. Rosemary A Thompson (2016). *Counseling Techniques-Improving relationships with others, ourselves, our families, and our environment*, 3rd ed. Routledge.
3. Nelson-Jones (2008). *Basic Counselling Skills*. Sage Publications.
4. Jacobs, M. (2004). *Psychodynamic counselling in action*. Sage Publications.
5. Ray Woolfe, Sheelagh Strawbridge Barbara Douglas, Windy Dryden (2010). *Handbook of counselling psychology*. 3rd Ed Sage publication

SEMESTER – III			
Core XI		Statistics for Behavioural science	
Code : 21PPSC33	Hrs / Week: 5	Hrs / Semester: 75	Credit: 4

**Vision:** To impart the knowledge of statistics

**Mission:** To make the students efficient statisticians so that they can be efficient researchers too

**Course Outcomes:**

CO No	Upon completion of this course, the person will be able to	PSO Addressed	CL
CO 1	learn the basic concepts of statistics	1,5	Re
CO 2	gain knowledge about the various methods of developing and using statistical techniques	1,5	Re, Un
CO 3	analyze the various steps in psychological statistical methods	5	An
CO 4	create new methods of creating and testing behaviour	4,5	Un, Cr
CO 5	learn the skills of administering statistics in psychological tests	5,6	Un
CO 6	understand and analyze various statistical testing methods	5	Un, An
CO 7	gain knowledge on the means of improving and administering statistical skills	4,5	Un, Ev
CO 8	create new statistical and testing techniques	1,5	Cr

**UNIT I - Introduction to statistics**

**Statistics:** Definition, Need and application in psychology. Normal distribution – properties of normal distribution curve. skewness and kurtosis – types & measure. Central limit theorem. Scales of measurement – nominal, ordinal, interval & ratio. **Basic terms:** population & samples, variables & data, parameters & statistics, descriptive & inferential statistics, sampling error.

**UNIT II – Descriptive statistics**

**Central tendency** – Mean – types, grouped & Median – grouped & ungrouped. Mode – grouped & ungrouped. When mean, median & mode can be used. Central tendency and the shape of the distribution. **Measures of dispersion** – range, quartile deviation, mean deviation, standard deviation, variance. Data type suitable for different types of variability. Standard error. coefficient of variation. Percentile.



### UNIT III – Hypothesis testing

The logic of hypothesis testing – four steps of hypothesis test. Errors in hypothesis testing – Type I Type II error – selecting an alpha level. Directional hypothesis tests – hypothesis for a directional test, critical region for a directional test, comparison of one-tailed vs two-tailed test.

### UNIT IV – Parametric

**Parametric tests**– Assumptions. Karl Pearson’s correlation. Z test. T statistic – single sample t test, independent sample t test. Analysis of variance – one-way ANOVA & two-way ANOVA. Regression analysis – simple linear regression.

### UNIT V – Non- Parametric

**Non-parametric tests**– Advantage and disadvantage. Difference between parametric & non parametric statistic. The non-parametric tests that are equivalent to parametric tests. Non parametric Statical tests – Chi square test –Sign test – Mann-Whitney U test. Rank order correlation.

#### Text books:

1. Verma, J. P., &Ghufran, M. (2012). Statistics for Psychology: A comprehensive text. Tata McGraw Hill Education, New Delhi.
2. Gravetter F.J. and Wallnay L.B. (1995) Essentials of statistics for the Behavioural Sciences. N.Y. West Publishing com.

#### Reference books:

1. Belhekar V. M. (2016) Statistics for Psychology using R. SAGE texts.
2. Garrett, H.E. (1979) *Statistics in Psychology and Education*, 9th Indian Reprint, Bombay, wakils, Feffer and Simons Pvt. Ltd.
3. Elhance, D.N., VeenaElhance& B.M. Agarwal (2007).Fundamental of Statistics. 51st Reprint Edition, Kitab Mahal.
4. Gopal K. Kanji (2006). 100 Statistical Test. Sage Publications. New Delhi.
5. David Howell (2002). Statistical Methods for Psychology. Thomson Learning.

SEMESTER III			
Core XII Psychological Testing			
Code: 21PPSC34	Hrs/Week:5	Hrs/ Sem: 75	Credit: 4

**Vision:** To impart the knowledge of Psychological testing among students