M. Phil Syllabus for Psychology

Paper 1 :- ADVANCED RESEARCH METHODOLOGY Marks - 100
(Vacational and Regular)

Objectives :-

1) To acquanted students and researchers understand the fundamental nature of the scientific approach to problem solution

2) To associate researcher with preparation for proper research design

3) To Implement research work with originality, soundness and applicability.

Chapter	Topic	Vacational	Regular
Chapter I : SCIENCE AND SCIENTIFIC APPROACH		**Periods**	
1.1	Science and common science	12	12
1.2	Science and its functions		
1.3	The aims of science, scientific explanation & theory.		
1.4	Scientific research - a defination		
1.5	The scientific approach.		
Chapter 2 : PROBLEMS AND HYPOTHESIS		13	13
2.1	Problem, hypothesis and defination		
2.2	Generality and specificity of problems & hypothesis		
2.3	The importance of problems and hypothesis		
2.4	The multivariate nature of behavioural research and problems		
Chapter 3 : CONSTRUCTS, VARIABLES AND DEFINATIONS		14	14
3.1	Concepts & constructs. Variables		
3.2	Constitiue and operational definations of constructs & variables.		
3.3	Types of variable		
3.4	Constructs, obervables & intervaining variables.		
Chapter 4 : PRINCIPLES OF ANALYSIS AND INTERPRETATION		15	15
4.1	Frequencies and continuous majors.		
4.2	Kinds of statistical analysis		
4.3	Statistics purpose, approach & methods		
4.4	Testing hypothesis & the standard error.		

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				14	14

Chapter 5   :   ANALYSIS OF VARIANCE   14   14

    5.1   The f-ratio and analysis of variance approach.

    5.2   Factorial analysis of variance.

    5.3   Analysis of variance correlated groups.

    5.4   Non parametric analysis of variance

Chapter 6   :   DESIGN OF RESEARCH   12   12

    6.1   Meaning, Purpose & Principles.

    6.2   Ex Post Facto Research, Laboratory experiment,

          Field experiment, Field studies & Survey Research

    6.3   Methods of obervation & data collection

          A) Interviews   B) Objective Test & scales

          C) Projective methods D) Sociometry E) Questionair

References :-

1)   Kerlinger Fred N. -   Foundation of Behavioural research, 2nd Edition,

                        Surjeet Publication, Delhi - 7,

2)   Mc Barmi   -   Research Methodology in Psychology.

3)   Dr. Khire Ushatal, Dr. Joshi S.T., -   Glimpses of Indian Psychology -

       Dr. Gogate V.V., Dr. Borse A.S.   Bhariya Vidya Sanshodhan Kendr - Dhule.

Note : Method of examination

University Test (Exam) -   60 Marks, 4 Questions, 2 hours duration   **Passing : 30 marks**

Internal Test (Exam)   -   2 seminars - 10 Marks   I & II Term End ⎫

                     Assignment - 10 Marks   I & II Term End ⎬   **50% marks**

                     Internal Test - 20 Marks   II Term   ⎭   of passing

	University		Internal		
Total =	60 Marks	+	40 Marks	=	100 Marks

M. Phil Syllabus for Psychology

Paper II :- ADVANCED STATISTICAL METHODS IN SYCHOLOGICAL RESEARCH

Marks - 100

(Vacational and Regular)

Objectives :-

1) To acquanted students with concepts & methods of statistics in research

2) To developed the approach of students for use of statistics in research.

3) To impart statistical skill for applying different techniques.

Chapter 1 : INTRODUCTION TO STATISTICS		Periods	
		Vacational	Regular
1.1	Concept of Satistics (Central tendency, SD & Quartile devation)	12	12
1.2	Percentile and Percental Rank.		
1.3	Standard score and T-score		
1.4	Graphical representation on various types		
1.5	Application of statistics.		
Chapter 2 : PROBABILITY - STATISTICAL ESTIMATION & INFERANCES		13	13
2.1	Probability - Concept & defination.		
2.2	Principles of Probability (with research approach)		
2.3	Application of normal distribution		
2.4	Test of significance of difference between X (t test)		
Chapter 3 : CORRELATION		14	14
3.1	Meaning & Types of correlation (Linear, Non linear, simple, Partial, Multiple)		
3.2	Product moment correlation, (Kar Pearson Co-efficient, Rank order)		
3.3	Scatter diagram method		
3.4	Regression		
3.5	Application in research		

Chapter 4 : ANALYSIS OF VARIANCE   15   15

     4.1   ANOVA - in a one way classification problem

     4.2   ANOVA - in a two way classification problem

     4.3   ANOVA - in a three way classification factorial design

     4.4   Some special Analysis of variance of method

     4.5   General utility of ANOVA and Co-variance

Chapter 5 : CHI SQUARE AND NON PARAMETRIC   14   14
STATISTICS IN RESEARCH

     5.1   General features of chi square.

     5.2   Chi Square for three simultaneous comparison.

     5.3   Chi Square when frequencies are small.

     5.4   Computing expected sell frequencies and 2×2 table.

     5.5   Sine test, Rank sum test, kruski wallsor H Test.

Chapter 6 : INTRODUCTION - SOFTWARE IN STATISTICS   12   12

     6.1   SPSS 10, 11, 12, 13

References :-

1)   Gillford J P - Fruchter B (1995) -   Fundamental statistics in psychology 9th edition
                                                     McGraw Hill, Delhi.

2)   Mirium E W, King B N (1996) -   Statistical reasoning, Wiley & sons, Mumbai.

3)   S P S S Software   -   No. 5 to 13

4)   Boom V R (2005)   -   Statistical application in psychological research
                                                     Toranto publication

5)   Garett   -   Statistic in psychology & education, Wiley publication Bombay.

Note : Method of examination

University Test (Exam) -   60 Marks, 4 Questions, 2 hours duration   Passing : 30 marks

Internal Test (Exam)   -   2 seminars - 10 Marks   I & II Term End ⎤
                                   Assignment - 10 Marks   I & II Term End ⎬   50% marks
                                   Internal Test - 20 Marks   II Term   ⎦   of passing

                         University   Internal

   Total =   60 Marks   +   40 Marks   =   100 Marks

M. Phil Syllabus for Psychology

Paper III :- **ADVANCED STUDY IN PSYCHOLOGICAL MEASUREMENTS**   **Marks - 100**

(Vacational and Regular)

Objectives :- 1) To be acquisition the researcher with various psychological test construction

2) To be acquisition the research with test standardisation.

3) To be acquisition the researcher with test, uses & applications.

Chapter		Periods	
		Vacational	**Regular**
Chapter I : NATURE OF PSYCHOLOGICAL TESTING			
1.1	Characteristic of psychological test		
1.2	Item Analysis	13	13
1.3	Test construction		
1.4	Norms & types		
1.5	Hypothesis formulation & types		
1.6	Variables		
1.7	Applications of psychological test		
Chapter 2 : RELIABILITY		14	14
2.1	Types of reliability		
2.2	Uses of reliability		
2.3	Applications of reliability		
Chapter 3 : VALIDITY : BASIC CONCEPT		12	12
3.1	Nature of validity		
3.2	Types of validity		
3.3	Uses of validity		
3.4	Applications of validity		
Chapter 4 : INTELLIGENCE AND ABILITY TEST		15	15
4.1	Individual group test		
4.2	Multiple Aptitude test		
4.3	Special Aptitude test		

References :-

1)   Anastasi A (1998)   -   Pscychological testing , Mcmillan, Newyork.

2)   Croubach L J. (1998)   -   Essentials of psychological testing, 7th edition

                                                Harpor & Raw Publication

3)   Anastasti Urbin (1997) -   Psychological testing, New Jersey - Simun Pub.

4)   Freeman (2001)   -   Psychological testing (Revised Edition), Wiley Pub.

Note : Method of examination

University Test (Exam) -   60 Marks, 4 Questions, 2 hours duration   **Passing : 30 marks**

Internal Test (Exam)   -   2 seminars - 10 Marks   I & II Term End

                                    Assignment - 10 Marks   I & II Term End   50% marks
                                                                                                    of passing
                                    Internal Test - 20 Marks   II Term

	University		Internal		
Total =	60 Marks	+	40 Marks	=	100 Marks

M. Phil Syllabus for Psychology

Paper IV :- **DESSERTATION**   **Marks - 200**

(Vacational and Regular)

Dessertation is compulsory for the partial fulfillment for M.Phill Degree in Psychology. The nature of Dessertation is as under.

Dessertation is divided as following chapter

Periods

Chapter I : INTRODUCTION

1.1   Introduction (Prologue)

1.2   Significance of the study

1.3   Definition of the concept in study

1.4   Other relevents with problem

CHAPTER 2 : REVIEWS OF PREVIOUS STUDIES / LITERATURE

Studies related with the problem

CHAPTER 3 : RESEARCH METHODOLOGY

3.1   Aims

3.2   Statement of the problem

3.3   Objectives

3.4   variables

3.5   Selection of the sample

3.6   Selection of the research tool

3.7   Method of analysis / statistical treatment / procedure

CHAPTER 4 : RESULTS AND INTERPRETATION

4.1   Results

4.2   Interpretation

4.3   Discussion

CHAPTER 5 : **SUMMARY, CONCLUSION, LIMITATION AND SUGGESTION (EPILOGUE)**

5.1   Summary

5.2   Conclusion

5.3   Limitations

5.4   Suggestion

-    Appendixes

-    References / Bibliography

-    List of Tools

-    Other

Division of Marks for dessertation

1   External Refree   -   75 marks

2.   Internal Refree   -   75 marks

3.   Viva Voce Exam   -   50 marks

(25 External + 25 Internal Examiner)

Total	200 marks

Out of two hundred (200) marks, hundred (100) marks are essential for passing ion dessertation

For the Degree of M.Phil :-

	Total marks	Passing
Theory: Paper I[st]	100	50
	(60 + 40)	
Paper IInd	100	50
	(60 + 40)	
Paper IIIrd	100	50
	(60 + 40)	
Paper IVth	100	50
(Dessertation)	(75 + 75 + 50)	
Total	500	250

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