

## PhD Entrance Test Syllabus for Ph.D. in Psychology

The PET (Ph.D. Entrance Test) for Ph.D. in Psychology consists of two parts:

- Part I: Research Methodology (50 marks) and
- Part II: Subject Specific (Related to Psychology for 50 marks)

**Total Marks for PhD Entrance Test: 100 Marks**

### SYLLABUS

**Subject: Research Methodology (50 Marks)**

#### List of Topics:

1. Basics of Research
2. Qualitative And Quantitative Research
3. Verification Vs. Falsification
4. Objectivity: Facts, Theory and Concepts
5. Basic Steps for Doing Research
6. Scientific Method Vs Arbitrary Method
7. Deductive and Inductive Reasoning
8. Error Analysis and Accuracy
9. Descriptive Statistics
10. Sampling
11. Random Variables & Sampling Distribution
12. Probability Distribution
13. Hypothesis Testing
14. Regression Analysis
15. Multivariate Analysis
16. Conceptualizing and Drafting Research Proposals
17. Style Manuals
18. Bibliography and Referencing
19. Research Ethics

#### References:

1. Michael P. Marder, *Research Methods for Science*, Cambridge University Press, 2011.
2. C. Radhakrishna Rao, *Statistics and Truth*, CSIR, 1989.

3. Day RA, *How To Write and Publish a Scientific Paper*, Cambridge University Press, London, 1992.
4. Latour, B. and Woolgar., *Laboratory Life: The Construction of Scientific Facts*, 2 nd Edition, Princeton: Princeton University Press, 1986
5. Mishra, R. P. *Research Methodology: A Handbook*. New Delhi. Concept Publishing Company, 1988.

### **Subject Specific Paper Ph.D. in Psychology (50 Marks)**

#### **List of Topics:**

1. Emergence of Psychology (Western & Eastern perspectives)
2. Research Methodology and Statistics
3. Psychological testing
4. Biological basis of behavior
5. Attention, Perception, Learning, Memory and Forgetting
6. Thinking, Intelligence and Creativity
7. Personality, Motivation, emotion, stress and coping
8. Social Psychology
9. Human Development and Interventions
10. Emerging Areas (role of Artificial Intelligence and Machine Learning in Psychology)
11. Positive Psychology
12. Health Psychology
13. I/O Psychology
14. Clinical Psychology
15. Counseling Psychology and Psychotherapies

#### **Suggested Reading:**

1. Baron, R. & Misra. G. (2013). Psychology. Pearson.
2. Chadha, N.K. & Seth, S. (2014). The Psychological Realm: An Introduction. Pinnacle Learning, New Delhi.
3. Ciccarelli, S. K., & Meyer, G. E. (2010). Psychology: South Asian Edition. New Delhi: Pearson Education.
4. Passer, M.W. & Smith, R.E. (2010). Psychology: The science of mind and behaviour. New Delhi: Tata McGraw-Hill.
5. Berk, L. E. (2010). Child Development (9th Ed.). New Delhi: Prentice Hall.
6. Mitchell, P. and Ziegler, F. (2007). Fundamentals of development: The Psychology of Childhood. New York: Psychology Press.
7. Papalia, D. E., Olds, S.W. & Feldman, R.D. (2006). Human development (9th Ed.). New Delhi: McGraw Hill.
8. Santrock, J. W. (2011). Child Development (13th Ed.). New Delhi: McGraw Hill.
9. Santrock, J.W. (2012). Life Span Development (13th ed) New Delhi: McGraw Hill.
10. Srivastava, A.K. (1997). Child Development: An Indian Perspective. New Delhi.

11. Baron, R.A., Byrne, D. & Bhardwaj, G (2010). Social Psychology (12th Ed). New Delhi: Pearson
12. Myers, D.G. (2008). Social psychology New Delhi: Tata McGraw-Hill.
13. Chadha, N.K. (2012). Social Psychology. MacMillan: New Delhi
14. Kothari, C.R. 2019. 4<sup>th</sup> Ed. Research Methodology. New Age International Publications.