

# **GANPAT UNIVERSITY**

## **Syllabus for the Ph. D. Entrance Examination**

### **Instructions:**

1. The question paper of the Ph. D. Entrance Examination shall be of 100 marks, to be attempted in 2 hours duration.
2. The question paper will have 2 sections (Section-A and Section-B).
3. Section-A (From Research Methodology) will consist of 50 objective type questions (Multiple Choice), each carrying one mark. Section A shall be common for all the candidates appear in Entrance Examination.
4. Section-B shall be of 50 marks which is Subject specific depends on respective discipline/branch) will consist two parts.
  - Part - I shall be of 25 marks having 25 objective type of questions with multiple choice answers having only one correct answer.
  - Part - II shall be of 25 marks and having descriptive type of questions.
5. There is no negative marking.

## **SECTION – A**

**(Common for all candidates)**

### **RESEARCH METHODOLOGY**

Total Marks: 50

<b>Unit</b>	<b>Content</b>	<b>Marks</b>
1	Basics of Research: Research: Meaning, Objective, Characteristics, Steps of research, Methods of research, Types of research – Descriptive vs. Analytical, Applied vs. Fundamental, Quantitative vs. Qualitative, Conceptual vs. Empirical.	<b>[05]</b>
2	Research Problem and Research Design Introduction to Research Problem, Necessity of Defining the Problem, Selecting the Problem, Techniques Involved in Defining a Problem, Meaning and Types of Research Design, Important Concepts Relating to Research Design	<b>[10]</b>
3	Data Collection and Analysis Methods of Data Collection- Observation, Interview, Questionnaires, Schedules, Survey and Experimental. Selection of Appropriate Method for Data Collection, Different Techniques of Sampling such as Probability and Non-Probability, Basic Statistical Methods of Data Analysis such as Frequency distribution, Measures of central tendency, Measures of Dispersion, Coefficient of variation, correlation and regression.	<b>[20]</b>
4	Ethics in Research: Environmental impacts and Ethical issues, Commercialisation, Copy right, Royalty, Intellectual property rights and Patent law, Plagiarism, Citation, Referencing style and acknowledgement.	<b>[05]</b>

#### Reference Books

1. 'Research Methodology- A Step-By-Step Guide for Beginners', Ranjit Kumar, (Pearson Education, Delhi) ISBN: 81-317-0496-3.
2. 'Research Methodology- Methods and Techniques', Kothari, C.K., New Age International, New Delhi.
3. Research In Education, John V. Best, John V. Kahn 10<sup>th</sup> ed., Allyn & Bacon Publisher, 2005.
4. Practical Introduction of copyright by Gavin Mcfarlane, McGraw Hill Inc., USA.
5. Introduction to Scientology Ethics, Hubbard, L. Ron. New Era Publisher, Denmark.
6. Research Methodology by Deepak Chawala, Vikas Publications.
7. Statistics for Management, Levin & Rubin, Pearson Publication

# SECTION – B

## Faculty of Social Sciences & Humanities

### [Economics]

Unit	Content	Marks
<b>1</b>	<b>Micro Economic Analysis</b> Demand Analysis and Supply Analysis. Theory of Production and Costs. Pricing and Output under different forms of Market Structures. Factor Pricing analysis.	<b>[15]</b>
<b>2</b>	<b>Macro Economic Analysis</b> Determinants of output and employment-Classical and Keynesian approaches, Consumption Hypotheses. Demand for Money- Fisher and Cambridge versions, Approaches of Keynesian, Friedman, Baumol and Tobin. Supply of Money, Determinants of money supply, High Powered Money and Money Multiplier.	<b>[15]</b>
<b>3</b>	<b>Indian Economy</b> Basic Economic Indicators of Indian Economy. Agriculture- Performance, Institutional and technological aspects, new agricultural policy. Industry- Performance, New Industrial policy, liberalization, globalisation. Money and Banking- money supply, inflation, monetary policy and fiscal policy. Major issues of concern-Population, Poverty, Unemployment, Migration, Environment, Human Development, Infrastructure, Health, Education, socio-economic development.	<b>[20]</b>