

# Syllabus for Ph.D Coursework

Department of Education

Jadavpur University

**Course Structure (Two courses for One Semester)**

**Semester I:** Two Compulsory Core Courses - 100 marks

Course Code	Name of the Course	Credit	Internal assessment	End semester Exam	Total Marks	Time
Ph.D/Edn/1.1	Foundation of Education & Recent Advances	4	20	30	50	2hrs
Ph.D/Edn/1.2	Advanced Research Methodology in Education	4	20*	30	50	2hrs
ICT Lab Work		Non-Credit Course				

\* 10 marks of Internal Assessment will be based on Paper Presentation

**Semester-I**

**Ph.D/Edn/1.1: Foundation of Education & Recent Advances**

**50 Marks**

**Unit-I: Socio-Cultural and Philosophical Perspectives of Education**

- a) Relationship between Education & Philosophy
- b) Social change related to stratification; inclusive society and role of education
- c) Culture, society and education

**Unit-II: Human Development Perspectives**

- a) Education and principles of human development
- b) Theories of Learning with special reference to constructivist approach and brain based approach
- c) Motivation: Theories and application

**Unit-III: Contemporary Trends and Issues in Education**

- a) Recommendations of 21 Century Education Commission in the light of globalization
- b) Quality Education for All: present scenario in India
- c) Education and National development- well being, HDI, EDI

**Unit-IV : Recent Advances in Education of socio-economically deprived and challenged children**

- a) Issues and Challenges in Education of SC,ST, & Minority Children
- b) Issues and Challenges in Education of Street Children & Child labour
- c) Issues in Education of Children with Special Needs.

**Unit -v: Role of Education in addressing social problems in India.**

- a) Drug abuse & HIV/AIDS
- b) Poverty & Illiteracy
- c) Terrorism and National unrest condition.
- d) Girls Education

**Ph.D/Edn/1.2: Advances in Research Methodology in Education**

**50 Marks**

**Unit-I Definition and procedures of Educational Research**

- a) Definition, types and purposes of educational research
- b) Procedures for conducting educational research
- c) Sources of educational information
- d) Objectivity and ethical concerns in educational research

**Unit-II: Types of Educational Research**

- i) Humanistic research
- ii) Historical Research
- iii) Ethnographic Research
- i) Observation Research
- ii) Critical Theory
- iii) Hermeneutics

- b) Survey research
- i) Cross-sectional Survey
- i) Longitudinal Survey
- c) Correlation research & Causal Comparative Research
- d) Experimental Research

**Unit IV- Data Analysis in Quantitative Research**

- Regression and Correlation Analysis
- Hypothesis Testing: Type I and Type II Errors; One tailed Vs two tailed test; Comparing statistics (t-test, z-test and F-test)
- Analysis of variance and covariance
- Chi square test, sign test, median test, and Kruskal-Wallis test/H-test.
- Multivariate Analysis

- Characteristics and application
- Factor Analysis
- Multiple Regression Analysis
- Discriminant Analysis

#### **Unit V- Data Analysis in Qualitative Research**

- Characteristics and applications
- Criticism of historical data
- Coding of qualitative data – Axial coding, Selective coding
- Methods of qualitative data analysis—content analysis, logical and inductive analysis, illustrative method; analogies.
- Meta analysis
- Triangulation of data.

#### **Unit VI Preparation of Research Report**

#### **Transaction Mode**

Lecture cum Discussion; Panel discussion; small peer group discussion; seminar reading; Symposium, Reports

#### **References**

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