

Syllabus for  
Course Work in Ph.D. Programme in Anthropology



Revised in March 2014

Vidyasagar University  
Midnapore 721102, West Bengal

## Course Work for Ph.D. Programme in Anthropology

Total Marks: 200

### Division of marks

Course Code	MARKS
Course I	Theoretical: 40 Practical: 10 Total: 50
Course II	Theoretical: 40 Practical: 10 Total: 50
Course III(ANT)	Theoretical: 50 Total: 50
Course IV(ANT)	Theoretical: 50 Total: 50
TOTAL	200

### Structure of the Curriculum for Ph.D. Course work in Anthropology

Course Code	Course Name	Marks			Exam Time
		Theor.	Assign.	Total	
Course I	Research Methodology	40	10	50	2 hours
Course II	Computer Application and Statistical Methods	40	10	50	2 hours
Course III(ANT)	Anthropology	50		50	2 hours
Course IV(ANT)	Special Topics in Anthropology	50		50	2 hours

## **Course Contents**

**Course Code: Course I**

**Course Name: Research Methodology**

**Marks: Theoretical – 40 + Assignment (Practical) – 10 = 50**

### **Group A: Theoretical – 40 marks**

- 1.1 Research: definition, importance, meaning and characteristics. Steps in research.
- 1.2 Research problem: identification, selection and formulation.
- 1.3 Sampling: definition, theory, types, techniques and steps. Sample size, advantages and limitations of sampling.
- 1.4 Data: definition, sources and types. Data collection methods. Limitations and cautions. Analysis of data.
- 1.5 Review of literature and Bibliography.
- 1.6 Research report: types, contents, styles and steps in drafting. Editing the final draft and Thesis writing.

### **Group B: Assignment writing on any one (Practical) – 10 marks**

- (a) Review of articles
- (b) Research proposal
- (c) Sample design
- (d) Data analysis

**Course Code: Course II**

**Course Name: Computer Application and Statistical Methods**

**Marks: Theoretical – 40 + Assignment – 10 = 50**

### **Group A: Theoretical – 20 marks**

- 2.1 Operating system: latest version of WINDOWS, UNIX.
- 2.2 Internet: data uploading and downloading, e-mail and e-journal.
- 2.3 Database management System.
- 2.4 Office management: MS-Word, MS-Excel, MS-Power Point, and Latex.
- 2.5 Software Packages: SPSS, R-Statistics, MATHLAB, EMBOS, etc.

**Group B: Theoretical – 20 marks**

- 2.6 Normal probability distribution.
- 2.7 Test for goodness of fit for a proposed distribution.
- 2.8 Correlation coefficient: simple linear, multiple linear, and partial.
- 2.9 Regression; simple, multiple and stepwise.
- 2.10 Experimental design. Analysis of variance: its model, one or two way ANOVA. Multiple comparison tests.

**Group C: Assignment writing on any one (Practical) – 10 marks**

- (a) Power point presentation on a research topic.
- (b) Analysis of data using MS-Excel.
- (c) Analysis of data on given statistical methods.

**Course Code: Course III (ANT)**

**Course Name: Anthropology**

**Marks: 50**

**Group A: Theoretical – 20 marks**

- 3.1 Concept of gene, genome and gene pool. Genetic structure of human population; Hardy-Weinberg law; causes for changes in gene frequencies: mutation, hybridization, genetic drift, and selection. Genetic polymorphism.
- 3.2 Biological consequences of mating systems: consanguinity, inbreeding and outbreeding. Inbreeding coefficient (F-ratio); heterozygosity, homozygosity and genetic load.
- 3.3 Application of Biological Anthropology: Forensic Anthropology, genetic counseling, karyotyping and banding; Human Genome Project.

**Group B: Theoretical – 20 marks**

- 3.4 Concept of culture. Classical concepts. Poststructuralist and postmodernist views of culture.
- 3.5 Fieldwork tradition in Anthropology. Emic and etic approaches in Anthropology.
- 3.6 Sources of anthropological data; techniques of data collection; report writing; dissertation and scientific papers.

**Group C: Theoretical – 10 marks**

- 3.7 Quaternary period: chronology, importance in the study of human biological evolution, and major environmental episodes.
- 3.8 Prehistoric tools: typology and technology. Palaeolithic, Mesolithic and Neolithic culture complexes with special reference to Europe, Africa and India. Salient features of civilization.
- 3.9 Ethnoarchaeology: meaning, scope and usefulness in the reconstruction of cultural evolution.

**Course Code: Course IV (ANT)**

**Course Name: Special Topics in Anthropology**

**Marks: 50**

- 4.1 Human nutrition and nutritional status. Genetic and environmental factors affecting nutritional status.
- 4.2 Human growth. Measurement of growth: cross-sectional, longitudinal and mixed longitudinal.
- 4.3 Demography of human populations. Anthropological genetics. Health, disease and epidemiology of human populations. Women's reproductive health, family planning and child health.
- 4.4 Rural development. Community forest management. Indigenous art and craft. Ethnic migration and movement. Development and displacement. Social unrest and insurgency violence.
- 4.5 Social gerontology. Problems of the aged population in India: rural and urban dimensions.