

**Department of Anthropology**  
**University of Calcutta**

**Advertisement for the Research Eligibility Test (RET), 2019 for admission to Ph.D.  
Programme in Anthropology**

Application are invited for the RET examination 2019 for the admission to Ph.D. Programme in the Department of Anthropology, University of Calcutta following the Regulation for the Degree of Doctor of Philosophy, 2016, University of Calcutta (available in the website of the University of Calcutta; [www.caluniv.ac.in](http://www.caluniv.ac.in)). Total number of seats declared for admission is 15 (Fifteen). Reservation policy in admission will be followed as per the West Bengal State Higher Educational Institutions (Reservation in Admission) Rules, 2013.

The eligibility criteria for the admission and the selection criteria to Ph.D. Programme are available in the website of the University of Calcutta (vide 'Procedure for Admission' and 'Eligibility Criteria for Admission to Ph.D. Programme' of the Regulation for the Degree of Doctor of Philosophy, 2016).

**Important points**

1. Date and time of the Ph.D. entrance test: April 29<sup>th</sup>, 2019 from 12 noon onwards
2. Venue of the of the entrance test: Department of Anthropology, University of Calcutta
3. Duration of the Ph.D. entrance test: 1 Hour
4. Question type in Ph.D. entrance test: MCQ
5. Syllabus for the Ph.D. entrance test: Mentioned below
6. Total marks allotted for the Ph.D. entrance test: 50
7. Qualifying marks of the Ph.D. entrance test: 50%
8. Date and time of interview: May 07<sup>th</sup>, 2019 from 11 am onwards
9. Venue of the interview: Department of Anthropology, University of Calcutta
10. Total marks allotted for the interview: 50
11. Candidates qualified for the entrance test and who have cleared UGC/CSIR (JRF) Examinations/ NET/ SET/ SLET/ GATE or have obtained DST INSPIRE Fellow/ Teacher fellowship or have passed equivalent examinations or passed the M.Phil./ M.Tech./ M.D./ M.E./ M.Pharm. or equivalent examination (vide Ph.D. Regulation of the University, 2016) will be called for the interview.
12. The last date of submission of application form: April 16<sup>th</sup>, 2019, at the Office of the Department of Anthropology, University of Calcutta.
13. The names if the shortlisted candidates for the entrance test will be displayed on the Notice Board of the Department on April 22<sup>nd</sup>, 2019.
14. The names of the qualified candidates for the interview will be displayed on the Notice Board of the Department on May 03<sup>rd</sup>, 2019.
15. Documents to be submitted along with the application form: Self attested copies of testimonials (from Graduation course onwards, proof of age and certificate supporting reserve category).
16. Candidates should apply in the proforma mentioned below paying `100/- through a Challan obtainable in the College Street cash counter and Law College Cash Counter of the University of Calcutta. The application form for admission is available below.

## **Syllabus of the RET Examination in Anthropology**

### **University of Calcutta**

#### **Biological Anthropology**

- I. Neo-Darwinism, Neutral theory of molecular evolution.
- II. Primate evolution: the primate radiations to the hominids; the early hominids: Australopithecus, intermediate hominids, Pleistocene hominid evolution.
- III. Recent theories of human origin
- IV. Physical environment – the potential stressors, the nutritional stress, infections, diseases, modernization and human biological responses.
- V. Extension of Mendelian analysis, twin method of study, family method of study
- VI. DNA and RNA, protein structure, haemoglobin, protein synthesis
- VII. Linkage and chromosome mapping, sex linkage
- VIII. Mutations: chromosomal, genomic, and genic
- IX. Polymorphism in Serological (ABO, RhD and HLA), Red cell enzyme (Hemoglobin), Serum Protein (Haptoglobins), molecular (brief outline: VNTRs and STRs, SNPs), Immunological (brief outline of different Immunoglobins in terms of polymorphism).
- X. Basic principles of human growth: definition and concept, growth, maturation and development, Prenatal growth and development. Methods of growth study: cross sectional, longitudinal, mixed longitudinal, linked longitudinal - merits and demerits; growth curves - Factors affecting postnatal growth
- XI. Nutritional Anthropology: techniques of estimating nutritional status; body composition. The utility of anthropology in studying ethnicity and health. Ethnic factors in health and disease, ethnic differences in the prevalence of common diseases of complex aetiology: coronary heart disease (CHD), non-insulin dependent diabetes mellitus (NIDDM) and hypertension (HT), reproductive health and ethnic differences in the risk factor of the above disease. Reproductive and child health: Concept, Safe motherhood 1985, ICPD 1994, Beijing Congress 1995, MDG goals; Menstruation, Menopause, Reproductive endocrinology.
- XII. Anthropological Demography- fertility, mortality, migration, consanguinity and inbreeding, marital distance, selection intensity, Darwinian fitness
- XIII. Population genetics: Hardy-Weinberg equilibrium, polymorphism, genetic drift, genetic load, driving forces of evolution
- XIV. Forensic Anthropology: Forensics, Forensic Anthropology, medico legal aspects. Identification of ages and sex (skull, pelvis). Human body fluids (blood), fingerprints, brief outline of DNA fingerprinting. Paternity diagnosis.

## **Social Cultural Anthropology**

- I. Kinship, Marriage, Family, Tribe, Community, Demography and Population, Social Stratification, Village, Social Movement, Technology, Material Culture, Cultural Syncretism
- II. Anthropology of Religion, b) Linguistic Anthropology, c) Anthropology of Development, d) Anthropology of Power and Politics e) Economic Anthropology, f) Ecological Anthropology, g) Psychological Anthropology, h) Symbolic Anthropology, i) Medical Anthropology j) Cognitive Anthropology, k) Legal Anthropology and l) Visual Anthropology
- III. Enlightenment Evolutionism, Diffusionism, Historical-particularism, Cultural relativism, Functionalism, Structural-functionalism. Culture and personality, Neo-evolutionism, Materialism, Cultural Ecology, Interpretative Approach, Manchester School, Symbolism, Structuralism, Reflexivity.
- IV. Positivism and Logical positivism, Rationalism and Empiricism, Realism and Nominalism, Idealism, Dialectics, Pragmatism, Hermeneutics, Phenomenology and brief introduction to other philosophical thoughts (e.g. Neo-Platonism, Skepticism, Dualism, Utilitarianism, Essentialism and Constructivism, Reductionism, anti-foundationalism, etc.).
- V. Conflict theory, Liberal feminism, Analytical Feminism, Radical Feminism, Socialist Feminism, Critical theory
- VI. Post-Positivism, Post-structuralism, Postmodernism, Post-colonialism.

## **Palaeoanthropology-Prehistoric Archaeology**

- I. Theoretical development of archaeological thought in global perspective and its position in Anthropology; relation with other discipline like History, palaeoanthropology, etc.
- II. Development of prehistoric culture in old world
- III. Classification of the nomenclature- Archaeology, prehistory, palaeoanthropology, archaeological Anthropology. Ideas on Ethno archaeology, Experimental archaeology, environmental Archaeology, settlement archaeology, Archaeobotany, zoo Archaeology, Salvage Archaeology, Action Archaeology, Primate ethology, Underwater Archaeology, Geoarchaeology.
- IV. Methods and techniques in Archaeology, justification of Geo-Archaeology as a method. Field Survey; study of Toposheet and geological maps
- V. Methods of Archaeological exploration; pre exploration activities, Intensive and extensive exploration, general idea about survey methods, mapping of archaeological sites
- VI. Excavation: Pre excavation activities, actual method of digging and its application in different types of sites, recording and analysis of excavated materials in terms of time and space, interpretation and publication of report.

- VII. Concept of chronology in Archaeology: Datable materials, basic principles, advantages and disadvantages, application and recent developments of different dating methods in Archaeology.
- VIII. Geoarchaeology: Basic principles of Stratigraphy, Historical geology, Ideas and relevance about the litho logical, floral and faunal evidences of Stratigraphic section.
- IX. Palaeoenvironment: Study of glacial, Periglacial, tropical geomorphology and geological evidences with special reference to Neogene and Quaternary environment.

### **Research Methodology**

- I. Types of Research, Methodology, Methods, Research Design, Data, Writing of research report, etc.
- II. Methods, Design & Analysis : Scientific techniques for collecting and analyzing data including research paradigms, measurement, design, etc, The understanding of empirical techniques, Emphasis on theory and application of survey research, measurement, scaling, questionnaire construction, validity and reliability, data reduction and analysis.
- III. Basic statistical methods: sampling techniques, descriptive and inferential statistics (bivariate and multivariate), probability theory, distribution (binomial, normal)

**Application Form for the Ph.D. Programme 2019**

**DEPARTMENT OF ANTHROPOLOGY  
UNIVERSITY OF CALCUTTA**

*Self attested*

*Photograph*

**Name (in block letters)** :

**Date of Birth** :

**Father's Name** :

**Marital Status** :

**Whether SC/ST/OBC-A/ OBC-B** :

(Certificates to be submitted, additionally

'Non-Creamy Layer' Certificate to be submitted in case of OBC)

**Permanent Address** :

**Phone No.** :

**E-mail ID** :

**Academic Qualifications (Bachelors Degree onward) :**

<b>Name of the Examinations</b>	<b>Year</b>	<b>Board/University</b>	<b>Subjects taken</b>	<b>Div./Class</b>	<b>% of Marks</b>

**Whether NET/SET/ SLET/GATE/Teacher Fellowship or equivalent examinations or passed the M.Phil examination :**

**Present position :**

**Challan No. :**

**Date:**

**Signature of the candidate**

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Attach self attested mark sheets/ certificates