



University of Kashmir

NAAC Accredited Grade "A++"

University Campus, Hazratbal, Srinagar 190006, Kashmir.

NOTICE

It is hereby notified for the information of all the eligible candidates who have applied for the posts of Research Investigator and Field Investigator advertised vide Advertisement Notice No. 03 of 2024, dated 27.12.2024 that the syllabus for the aforementioned posts is given in Annexure I to this notice.

Further, the scheme of examination and short-listing criteria have already been notified vide notification dated 17.12.2025.

By order,

**Sd/-
Deputy Registrar
Recruitment**

No. F/NT-Syllabus-PRC/KU/26

Dated: 09.01.2026

Annexure - I

Syllabus for the advertised Posts of Research Investigator and Field Investigator in Population Research Centre

Anthropology

Social Anthropology: Meaning, History and Scope. Famous Anthropologists: A.R. Radcliffe Brown, Talcott Parson, Bronislaw Malinowski. Culture: Features, Elements, Types, and Dimensions. Research Methods: Field Work, Observation, Case Study, Content Analysis, Ethnography.

Demography and Population Sciences

Meaning, scope, and importance of demography, Relationship with sociology, economics, and public health. Sources of demographic data. Population concepts: growth, distribution, structure, dependency ratios, sex ratio, ageing. Population Theories: Classical & Modern Theories. Demographic Methods & Measures: Rates and ratios, Standardisation (direct & indirect), Life tables, Population projections and estimates, Stable population models, Measures of dependency, ageing, median age, Reproductive indicators (GFR, ASFR, TFR, GRR, NRR), Mortality indicators (IMR, CDR, ASDR, MMR). Fertility – Levels, Trends & Determinants. Determinants of Fertility. Migration – Concepts, Methods & Theories, Types of Migration, Measures of Migration- Gross & net migration, Migration rate, Lifetime vs. recent migration, Place-of-birth vs. place-of-last-residence data.

Economics

Consumer Behaviour: Preferences, Utility Maximisation and Demand; Producer Behaviour: Production Functions, Cost Minimisation and Supply; Market Structures: Competition, Monopoly, Price Discrimination; Oligopoly and Game Theory: Cournot, Bertrand, Stackelberg, Nash Equilibrium; Information Economics: Adverse Selection, Signalling, Moral Hazard; Macroeconomic Foundations: Classical–Keynesian Framework, Consumption and Investment; Labour Market and Employment: Natural Rate, Phillips Curve, Wage Rigidities; Money and Banking: Demand and Supply of Money, Money Multiplier, Central Banking; Monetary and Fiscal Policy: IS–LM Framework, Policy Effectiveness; Open Economy Macroeconomics: Mundell–Fleming Model, Exchange Rate Dynamics; International Trade Theory: Comparative Advantage, Heckscher–Ohlin, Economies of Scale; Development Economics: Poverty, Inequality, Dualism and Structural Transformation; Indian Economic Development: Growth Experience, Reforms, Poverty and Inequality Trends; Econometrics Foundations: OLS Assumptions, Model Violations, Time-Series and Panel Basics; Public Economics and Growth: Market Failure, Taxation, Solow and Endogenous Growth.

Geography

The Origin, Evolution, and distribution of Landforms (Mountains, Plains, Valleys). Processes of Erosion, Plate Tectonics, Earth Quake, Volcanoes. Climate and its Patterns, Atmospheric Processes, Distribution, Movement. Quality of Water on Earth, including Rivers, Lakes, Oceans, Glaciers. Geographic Distribution of Plant and Animal Species (Ecosystems, Biomes). Study of the Oceans (Salinity, Tides, Currents). Map, elements, types and uses.

Mathematics

Sets, Relations and Functions, Trigonometric Functions, Inverse Trigonometric Functions, Permutations and Combinations, Sequences and Series, Matrices and Determinants, Conic Sections, Limits and Derivatives, Continuity and Differentiability, Integrals, Linear Programming, Central Tendencies (Mean, Mode and Median), and Probability.

Psychology

Learning, Nature of learning, factors influencing learning, primary and secondary reinforcement. Motivation, meaning and types, social motives and biological motives. Social perception, attribution, attitude and attitude change, prejudice, stereotype and discrimination, prosocial behavior and altruism. Health, Determinants of health, Health belief model, Bio-psychosocial model of health; stress, causes and types of stress, health promoting and health risk behaviors. Intelligence, emotional and social intelligence, gifted and intellectual disability; ageing, mental well-being, role of social support in ageing.

Social Work

Meaning, nature, scope, values, principles, and ethics of Social Work; Global pioneers like Mary Richmond, Jane Addams, etc.; Settlement House Movement & Charity Organization Societies (COS); Development of Social Work in India; Social Work Methods; 73rd & 74th Amendment Acts, FCRA; United Nations, Universal Declaration of Human Rights, SDGs, NASW.

Sociology

Sociology: Origin, Meaning, Nature and Subject Matter. Social Institutions: Social Groups, Community, Institutions, Association. Social Structure and Related Concepts: Social Structure, Status and Role. Culture, Socialization, Values and Norms, Social Stratification, Social Mobility. Social Processes: Social Change, Social Conflict, Social Control.

Statistics

Approaches to probability: Classical, empirical, axiomatic Laws of probability: Addition law, multiplication law, Conditional probability, Bayes' theorem and its applications, Population and sample, Parameter and statistic, Concept of sampling distribution of a statistic, Central Limit Theorem (CLT) and its importance, Sampling distribution of sample means and sample proportion. Non-probability sampling: Convenience, purposive, quota, snowball, Need for sampling, Concepts of sampling error and non-sampling error, Simple random sampling (SRS), systematic sampling, stratified sampling, cluster sampling, multistage sampling.