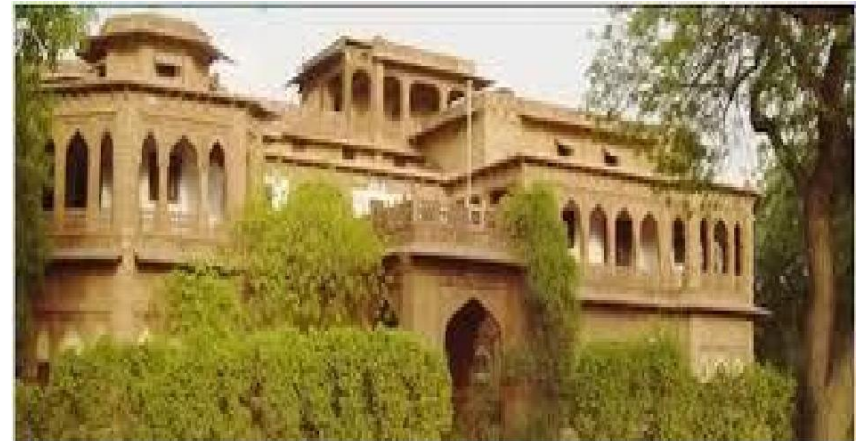


SYLLABUS

**POST –GRADUATE
DIPLOMA IN
POPULATION STUDIES AND DEMOGRAPHY
(One Year Course)**

Jai Narain Vyas University, Jodhpur (Rajasthan)



Printed at :



**JAI NARAIN VYAS UNIVERSITY
JODHPUR**

IMPORTANT

With a view to bring about greater reliability, validity and objectivity in the examination system and also for closer integration of teaching, learning and evaluation.

- (i) The syllabus has been divided into units. Questions will be set from each unit with provision for internal choice.
- (ii) In order to ensure that students do not leave out important portion of the syllabus, examiners shall be free to repeat the questions set in the previous examinations.

[Ref. Resolution No. 21 (c) of Academic Council dated 9-2-84]

NOTIFICATION

In compliance of decision of the Hon'ble High Court all students are required to fulfill 75% attendance rule in each subject and there must be 75% attendance of the student before he/she could be permitted to appear in the examination.

REGISTRAR
(Academic)

SYLLABUS

POST-GRADUATE DIPLOMA IN POPULATION STUDIES AND DEMOGRAPHY



**Department of Economics, Faculty of
Arts, New Campus, Jodhpur**
JAI NARAIN VYAS UNIVERSITY
JODHPUR

DEPARTMENT OF ECONOMICS
FACULTY OF ARTS,
JAI NARAI N VYAS UNI VERS ITY, JOD HPUR

**INFORMATION ABOUT THE DEPARTMENT OF
ECONOMICS**

S.No	Name	Designation Qualification	Qualification	Specialization
1	Dr. Madan Mohan	Associate Professor &Head	M.A. M. Phil Ph. D.	Industrial Economics, Micro Economics
2	Dr. L.L. Salvi	Assistant Professor	M.A. ,NET, Ph.D.	Econometrics
3	Mr. Parvez Ali	Assistant Professor	M.A. NET	Labour Economics
4	Dr. Kanta Choudhary	Assistant Professor	M.A. NET Ph.D	Economic development
5	Mrs. Rekha	Assistant Professor	M.A. NET	Labour Economics
6	Dr. Jaya Bhandari	Assistant Professor	M.A. M. Phil Ph. D.	Industrial Economics
7	Dr. Rajni Kant Trivedi	Assistant Professor	M.A. M. Phil Ph. D.	Mathematical Economics
8	Mr. Shraavan Raj	Assistant Professor	M.A. NET SLET	Agriculture Economics
9	Dr. Dev Karan Genwa	Assistant Professor	M.A. NET SLET Ph. D.	International economics

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**POST-GRADUATE DIPLOMA IN
POPULATION STUDIES AND DEMOGRAPHY
Jai Narain Vyas University, Jodhpur (Rajasthan)**

GENERAL INFORMATION

Eligibility for Admission

Graduate/Post-Graduate from any discipline, securing a minimum of 45% marks at degree or post-graduate Examination is eligible for admission.

Admission Procedure

Admission will be made on merit basis. as per University Rules

Duration

The duration of the course will be one academic session.

Number of Seats: Minimum 15

Medium

English/Hindi will be medium, both for Teaching and Examination. Examination question papers will be in English & Hindi Language.

To declare pass, a candidate must secure 36% marks in each subject/paper and 40% marks in aggregate the division will be awarded as follows:

I Div. 60% and above of the aggregate marks,

II Div. 48% and above but less than 60% of the aggregate marks, &

III Div. 40% and above but less than 48% of the aggregate marks.

Enrolment

If a candidate admitted in the course is not enrolled in this University shall have to enroll himself/herself as per University rules.

Attendance

No candidate shall be allowed to take up examination unless he/she attends at least 75% of the total contact session, each paper.

SCHEME OF EXAMINATION

The scheme of examination shall be as follows :

S.N	Title of the Paper	Period per week	Maximum Marks	Duration of Examination
1.	Introduction of population studies	03	100	03 hours
2.	Demography and migration	03	100	03 hours
3.	Population and Development	03	100	03 hours
4.	Statistical methods of demography	03	100	03 hours
5.	Project Work	-	100	-

Note : Students will choose the topic for project from the given areas of work.

PATTERN OF EXAMINATION PAPER

Question Paper will be divided into three sections namely, 'Section A', 'Section B' and 'Section C' in each section the questions will be asked as follows:

Section A: Intends to test the clarity of concepts and to-the-point knowledge unit-wise. 10 very small questions, (two questions from each unit). Each question will carry 2 marks. Answer of each question shall be limited up to 30 words. This part will be compulsory. $10 \times 2 = 20$

Section B: Intends to test the knowledge unit-wise and capability to elaborate and restrain within limited words.

10 small questions (two questions from each unit). Students will be required to answer one question from each unit. Each question will carry 07 marks. Answer of each question shall be limited up to 250 words.

$5 \times 7 = 35$

Section C: Intends to test the overall-knowledge and capability to explain in detail; of the students.

5 questions (one question from each unit). Students will be required to answer any three questions. Each question will carry 15 marks.

Answer of each question shall be limited up to 500 words

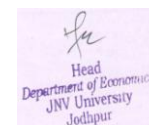
$3 \times 15 = 45$

Note: In case of Numerical, Figures, Charts, Diagrams and Graphs, the above limit of words shall not apply.

Status

This course is a self-sufficiency University course leading to a Post-graduate Diploma in population studies and Demography.

Note: Max. Fee- Rs.14000/-



POST-GRADUATE DIPLOMA IN POPULATION STUDIES AND DEMOGRAPHY

Paper-I: Introduction of population studies

Unit 1-Concept of Population Studies, Nature and Scope of Population Studies, Population growth in India: Trends of India's population growth in the states and union territories, Factors responsible for the growth & its impact on natural Resources.

Unit 2- Indian Census: Historical Background, pre-independence and post-independence census. Details of the latest Indian census, Population policy: concept and ; Features of population policies in the contexts of growth, distribution and composition of population; importance and justification of population policy with reference to resources and globalization.

Unit 3: World: Census, Registration of vital events, Demographic Surveys. Population Registers, India: Census Civil Registration System (CRS), sample Registration Scheme (SRS), National Sample Survey (NSS), Demographic surveys and other sources, Nature and limitation of data from each of the sources, Data appraisal: evaluation and adjustment of data.

Unit 4 : Population Composition and change :Spatial and temporal changes in the size, composition& distribution of population – global perspective with special focus on India, composition of India's Population, Demographic Composition, Social Composition, Economic Composition, Cultural Composition, Concept of Ageing .

Unit 5: Mortality, Morbidity and fertility: Mortality- Concepts and measures, Mortality trends, levels and determinants in India with special reference to infant mortality and maternal Mortality, Cause of Death statistics, Life Table: basic concept of the life table: types and forms of life table and model life table, Concept of fertility: General Fertility, Gross

Fertility, Net reproduction rate, Age-specific Fertility Rate, Child-woman Ratio, Marital Fertility Rate. Total marital Fertility Rate, Crude birth Rate; cohort Fertility Rate.

Suggested Readings:

Bhatia, H. S.: *Ageing and Society*, The Arya's Book Centre Publishers, Udaipur.

Bhende, A. and T. Kanitkar: *Principles of Population Studies*, Himalaya Publishing House, Mumbai.

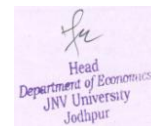
ESCAP: *Population of India*, Country Monograph, Series No. 10, ESCAP, Bangkok.

Heer, David: *Society and Population*, Prentice-Hall, New Delhi.

Krishnan, P. and Mahadevan, K.: *Elderly Population Today: Policies, Problems and Prospects*, B. R. Publishing House, New Delhi.

Mishra, B. D.: *An Introduction to the Study of Population*, South Asian Publishers, Delhi.

Pathak, K. B. and F. Ram: *Techniques of Demographic Analysis*, Himalaya Publishing house.



Paper: II Demography and migration

Unit 1: Demography of India: Age-sex structure, Sex ratio, Density of population, Literacy rate, Work force, Religious composition, Ethnic composition, Linguistic composition, Population and Gender: Concept of gender- its relationship with components of population- fertility, mortality, and migration. Status of women –social, economic, cultural and health. Women empowerment and its demographic consequences

Unit 2: Demography of Rajasthan: Trends of population growth, Age-sex structure, Sex Ratio, Density of population, Literacy rate, Work force structure, Crude birth Rate, Adolescent fertility, Infant and child mortality rate, Nutrition level.

Unit3: Migration: Concept and Types, Determinants and Consequences of Migration; Measures of Internal Migration; Indirect Estimation of Migration: Vital Statistics Method, National Growth Rate Method and Survival Ratio Method; Migration Theories: Ravenstein and Todaro; Issues of Brain Drain, Refugee, Illegal Migration and Human Trafficking;

Unit4: Urbanization: Theoretical and conceptual issues, relationship between urbanization and development –Agricultural development and urbanization; urbanization and industrialization linkages; Urbanization, Environment: urbanization, land use change and housing market; urban environment, urban disasters-mitigation and coping strategies, urban policy and programmes in five years plans

Unit 5: Migration and Urbanization Scenario in Rajasthan: Inter district migration stream, Life time migrants, Characteristic features of migrants, Level and trends of Urbanization; Size Class Structure of Urban Centre's; Problems of Urbanization.

Suggested Readings:

Bose, Ashis (2011) Population of India: 2011 Census Results and Methodology, B. R. Publishing Corporation, Delhi
Bose, Ashis (2001) India's Billion Plus People, B. R. Publishing Corporation, Delhi
Chandana, R. C. (2004) Population Geography, Kalyani Publishers.
Mohapatra, Pyarimohan (eds) (2009) Sustainable Development Bonda Hills,
Barclay, G.: *Techniques of Population Analysis*, John Wiley & Sons, New York.

Bhende, A. and T. Kanitkar: *Principles of Population Studies*, Himalaya Publishing House, Mumbai.

Paper-III: Population and Development

Unit 1: Population-Development: Concepts and Relevance; Importance of Study in the Global Context; Layers of Development, Objective; Types and Sectors of Development; Determinants of Development; Basic Determinants of Population; Channels of Mutual Relationship; Impact of Population on Development; Impact of Development on Population.

Unit 2. Strategies of Development: Changing Emphasis from Growth to Basic Needs; Assumptions, Features and Reasons of Failure of Growth and Basic Needs Strategies; Adjusted Measures of Development: PQLI, HDI, HPI and GDI;

Unit 3: Theories of Development: Rostow's Stages of Economic Growth; Lewis' Theory of Unlimited Supplies of Labour; Leibenstein's Critical Minimum Efforts Thesis.

Unit 4: Quality of Human Resource; Implications of Demographic Change for Human Resources Development; Concept of Human Development: Enlargement of Choice; Some Basic Concepts and Measures of Workforce; Change in Work Participation Rate and Development; Unemployment: Concept, Causes & Consequences;

Unit 5: Concept and Scope of Rural Development; Evolution of the Concept of Rural Development in the Indian Context; Need for Rural Development; Causes of Rural Backwardness; Policies and Programmes for the Development of Rural Industries. Poverty indicators - Measurement of Rural Poverty, Poverty Line, Poverty Alleviation Programme – MGNREGS, Housing, Food Security: Food Subsidies and Agricultural Subsidies.

Suggested Readings:

Coale, A.J. and E.M. Hoover (1958) Population Growth and Economic Development in Low Income Countries, Princeton University Press, New Jersey.
Dreze Jean and Amartya Sen (eds) (1988) Indian Development – Selected Regional Perspectives, Oxford University Press, Delhi.
Kuznets, Simon (1966) Modern Economic Growth: Rate, Structure and Spread, Yale University Press, New Haven.
Mahajan, A., P.N. Pimpley and K.P. Singh (1989) Social Development Process and Consequences, Rawat Publication, Jaipur.

Datta, R. and K. P. M. Sundharam, Indian Economy, S. Chand & Company, New Delhi.
Raza, Moonis (eds) (1988) Regional Development, Heritage Publishers, New Delhi.
Vasant Desai: A Study of Rural Economy

Croxton, F., Cowden, D. and Klein, S.: Applied General Statistics, Prentice-Hall, New Delhi.
Goon, A.M, Gupta, M.K, and Dasgupta, D.: Basic Statistics, World Press, Calcutta.
Gupta, S.C.: Fundamentals of Statistics, Himalaya Publishing House, Mumbai.
Shryock, Henry S., Jacob S. Siegel and Associate: The Methods and Materials of Demography, Vol. 1; U. S. Department of Commerce, Washington, D.C.
Snedecor, G.W and Cochran, W.G.: Statistical Methods, Oxford & IBH, Delhi.

Paper IV: Statistical Methods in Demography

Unit 1: Uses and importance of statistics in Demography; Frequency distribution: Uni-variate and Bi-variate; Table – construction and types; Graph –Histogram, Bar Diagram, Frequency Polygon, Ogive, and Pie chart

Unit2: Nature and limitation of data from each of the sources. Data appraisal: Evaluation and adjustment of data, Rate, Ratios, Proportions, Percentage, Measures of Central Tendency: Mean, Median and Mode; their relative merits and demerits; Measures of Dispersion: Range, Quartile Deviation, Mean Deviation and Standard Deviation; Coefficient of Variation.

Unit3: Measures of Skewness and Kurtosis; Measures of Location: Quartile, Deciles and Percentile; Moving average; Bi-variate Association and Causation: Correlation Analysis - Pearson and Spearman Coefficients; Linear Regression Analysis, Standard Error of Estimate.

Unit4: Population Estimates and Projections: Basic Concept, Need and Types; Application of Population Projection; Methods of Population Projection: Arithmetic, Geometric and Exponential Methods, Rates of population growth: arithmetic, geometric and exponential rates of growth; doubling time; crude rates and standardized methods, methods of population projections, inter-censal/post censal estimates of population.

Unit5: Concept and Importance of Sampling; Difference between Sample Survey and Census; Sampling Frame; Sampling Methods: Simple Random Sampling, Systematic Sampling, Cluster Sampling, and Purposive Sampling; Sampling Design of NFHS-3 Sampling and Non-sampling Errors; Pilot Survey.

Suggested Readings

Blalock, H.: Social Statistics, McGraw Hill, New York.