

M.A. Population Studies: Semester II
PAPER-VI: GEOGRAPHY OF INDIA
WITH REFERENCE TO HUMAN ASPECTS

End Semester Exam : 80 Marks

Internal Assessment : 20 Marks

Total : 100 Marks

Time : 3 Hours

Unit-I

Population: Growth , distribution; age-sex composition; literacy rate; migration; occupational structure; emerging gender related issues; Population problems and polices, Human resource and HDI in India.

Unit-II

Economic Aspects: Indian Agriculture – land use, cropping pattern, crop diversification ; Major Agricultural Regions – Agro-climatic regions; Problems of India’s agriculture; Major industries and industrial regions; Regional disparities in social and economic development.

Unit-III

Urbanization – concepts, trends; morphological characteristics Indian cities; hierarchical structure of urban centres in India; urban growth and problems of basic amenities;; Rural Settlements – concepts, types, pattern, morphology.

Unit-IV

Socio-cultural settings: Geographical account of various religious, ethnic, racial and linguistic groups in India; scheduled castes and scheduled tribes – distribution and marginalization.

Note: The question will have five units. Each of the first four units of question paper will contain two questions from each unit of the syllabus. Candidate(s) are required to attempt one question from each unit. The unit five shall be compulsory and shall contain eight short answer type questions covering entire syllabus. All questions carry equal marks.

Recommended Readings :

Majid Husain, Geography of India Tata McGraw Hill Publishing Co. Ltd., 2008

Khullar D.R., India, A comprehensive Geography, Kalyani Publishers, 2007

Singh Gopal, Geography of India

OHK Spate & Learmonth ATA, A General Regional Geography of India and Pakistan

India, Yearbook, Govt. of India, 2012

M.A. Population Studies: Semester II
PAPER-VII: INDIAN SOCIETY AND CULTURE

End Semester Exam : 80 Marks

Internal Assessment : 20 Marks

Total : 100 Marks

Time : 3 Hours

Unit-I

Social organisation and major religious groups: their basic tenets and doctrines; Indian society through the ages: continuity and change; diversity and unity in diversity.

Unit-II

Indian social structure: Elements of social structure – village community, caste, joint family; Social stratification - caste and class, caste mobility and changes in caste system; Scheduled Castes, Scheduled Tribes and Other Backward Castes (OBCs); major religious groups, rural and urban social system.

Unit-III

Social Problems in India: Casteism, caste and politics; growth of regionalism; communalism;; gender bias and its demographic manifestations.

Unit-IV

Social change and modernisation: Concepts of social change, development and modernisation; nature and factors of social change – urbanisation and industrialisation, literacy and education, social movements; obstacles to social change in India.

Note: The question will have five units. Each of the first four units of question paper will contain two questions from each unit of the syllabus. Candidate(s) are required to attempt one question from each unit. The unit five shall be compulsory and shall contain eight short answer type questions covering entire syllabus. All questions carry equal marks.

Recommended Readings:

Ahuja, Ram (2001): Indian Social System, Rawat Publications, Jaipur and New Delhi.

_____ (2002): Society in India, Rawat Publications, Jaipur and New Delhi.

Sopher, D (1980): An Exploration of India: Geographical Perspective on Society and Culture, Ithaca, New York, Cornell University Press.

Sharma, K. L. (2001): Caste and Class in India, Rawat Publications, Jaipur and New Delhi.

_____ (2007): India: Social Structure and Change, Rawat Publications, Jaipur and New Delhi.

Singh, Yogendra (1997): Social Stratification and Change in India, Second Revised Edition, Manohar Publishers and Distributors, New delhi.

Srinivas, M. N. (1991): India: Social Structure, Fifth Reprint, Hindustan Publishing Corporation, Delhi.

M.A. Population Studies: Semester II
PAPER-VIII: INDIAN ECONOMY

End Semester Exam : 80 Marks

Internal Assessment : 20 Marks

Total : 100 Marks

Time : 3 Hours

Unit-I

Structure of Indian Economy: Basic features of Indian Economy; National Income – Growth trends and structure; workforce and occupational structure and its transformation; poverty and inequality; unemployment – nature and its estimates; regional imbalances in the levels of development.

Unit-II

Planning and development: Objectives of economic planning in India; development strategies and approaches to economic development in India – Nehru Vs Gandhi; Liberalization, Privatization and Globalization; PURA; Bharata Nirman. Five year plans and Indian economy- a review. Regional development programmes.

Unit-III

Agriculture in Indian economy: Green revolution and its impact on agriculture; Issues of Food sufficiency and food security; recent changes in Indian agriculture. Industries through planned period; changing structure of industries; industrial policy.

Unit-IV

Infrastructure: Role of infrastructure in economic development; energy and power resources in India; electricity – thermal, hydro and nuclear; energy crisis in India. Transport system in India – rail, roads, water and air.

Note: The question will have five units. Each of the first four units of question paper will contain two questions from each unit of the syllabus. Candidate(s) are required to attempt one question from each unit. The unit five shall be compulsory and shall contain eight short answer type questions covering entire syllabus. All questions carry equal marks.

Recommended Readings:

Bhalla, G S and Gurmail Singh (2012) Economic Liberalisation and Indian Agriculture: A district level Study, Sage Publication, New Delhi.

Dutt, Rudder and Sundram K.P.M. (2006): Indian Economy, Sultan & Chand Co., New Delhi.

K.N. Agarwal (): Indian Economy – Problem of Development of Planning, Wishwa Prakashan - New Age of International Ltd.

S.K.Misra & V.K.Puri (): Indian Economy – Its Development , Himalaya Publishing House, Mumbai

M.A. Population Studies: Semester II
PAPER-IX: BASIC STATISTICAL TECHNIQUES

End Semester Exam : 80 Marks

Internal Assessment : 20 Marks

Total : 100 Marks

Time : 3 Hours

Unit-I

Statistics: An introduction; Collection and tabulation of data; classification of data – primary data and secondary data, grouped and ungrouped data, linear and spatial data; sampling and sample designs; levels of data measurement: nominal, ordinal, interval, and ratio.

Unit-II

Representation of statistical data: significance of diagrams and graphs; types and choice of diagrams - bar diagrams and its types, circle and pie diagrams; graphs of time series and frequency distribution – line graph, histogram, frequency polygon, frequency curve, cumulative frequency curve or ogive. Measures of central tendency: mean, median and mode – their mathematical properties, merits and limitations;

UNIT - III

Measures of dispersion, skewness and concentration: Range, quartile deviation, mean deviation, standard deviation, coefficient of variation; difference between mean deviation and standard deviation; coefficient of skewness, Lorenz Curve and Gini's Coefficient; location Quotient.

UNIT - IV

Correlation and regression: correlation and causation; types of correlation; methods of studying correlation – scatter diagram, graphic method, rank correlation, product moment correlation coefficient: test of significance; simple linear regression analysis: regression equation, regression line and computation of residuals and mapping.

Note: The question will have five units. Each of the first four units of question paper will contain two questions from each unit of the syllabus. Candidate(s) are required to attempt one question from each unit. The unit five shall be compulsory and shall contain eight short answer type questions covering entire syllabus. All questions carry equal marks.

Recommended Readings :

Cole, J. P. And King, C. A. M (1970): Quantitative Geography, John Wiley and Sons Ltd., London

Ebdon D (1983) **Statistics in Geography** : A Practical Approach, Blackwell, London.

Gregory, S. (1978) **Statistical Methods and the Geographer** (4th Edition), Longman, London.

Gupta, S.P. : **Statistical Methods**, Sultan Chand and Sons, Latest Edition.

Mahmood, A (1998) **Statistical Methods in Geographical Studies (Fourth Edition)**, Rajesh Publications, New Delhi

M.A. Population Studies: Semester II
PAPER-X: LAB WORK ON STATISTICAL TECHNIQUES

Max. Marks : 100
Time : 4 Hours
Distribution of marks :
Lab work test : 60
Record on Lab work : 20
Viva Voce : 20

Unit-I

Diagrammatic and Graphic Presentation of statistical data: construction of diagrams of various dimensions; line graph of single and multiple variables; construction of graphs for frequency distributions – histogram, frequency polygon, frequency curve, cumulative frequency curve or ogive. Measures of central tendency: computation of arithmetic mean, median and mode based on individual observations, discrete series and continuous series; graphical determination of median and mode; computation of geometric mean and harmonic mean;

UNIT - II

Measures of dispersion, skewness and concentration: Computation of range, quartile deviation, mean deviation, standard deviation, coefficient of variation, coefficient of skewness; Construction of Lorenz Curve and computation of Gini's Coefficient; location Quotient. Correlation and causation: calculation of correlation coefficients (based on Karl Pearson's and Charles Edward Spearman's methods); simple linear regression analysis: regression equation – computations of parameters i.e. intercept and slope of regression line; computation of residuals and mapping.

Note : The question paper will contain six questions in all, including three questions from each unit. Candidate(s) are required to attempt three questions in all selecting at least one question from each unit.

Recommended Readings :

- Cole, J. P. And King, C. A. M (1970): Quantitative Geography, John Wiley and Sons ltd., London
- Ebdon D (1983): **Statistics in Geography** : A Practical Approach, Blackwell, London.
- Gregory, S. (1978): **Statistical Methods and the Geographer** (4th Edition), Longman, London.
- Gupta, S.P. (2009): **Statistical Methods**, Sultan Chand & Sons, Thirty Ninth Edition, New Delhi.
- Mahmood, A (1998): **Statistical Methods in Geographical Studies (Fourth Edition)**, Rajesh Publications, New Delhi