University of Rajasthan
Jaipur
SYLLABUS
POST P.G. DIPLOMA IN
POPULATION STUDIES
2016

Post P.G. Diploma in Population Ecology will be divisible into two semesters. There will be 4 papers in each semester. In all there will be 8 papers including field report. Grades will be awarded as per norms considered for faculty of science.

Eligibility for admission:
Master degree in Social Science, Science, Medical Science, Engineering, Law with at least 50% Marks (45% for SC and ST candidates).
### Post P.G.Diploma in Population Studies

#### 1st Semester

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<tr>
<th>S. N.</th>
<th>Subject code</th>
<th>Course Title</th>
<th>Course category</th>
<th>Credit</th>
<th>Contact Hours Per Week</th>
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<tr>
<td>1.</td>
<td>DPS 101</td>
<td>The Ecology of Human Population</td>
<td>CCC</td>
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<td>2.</td>
<td>DPS 102</td>
<td>Population Growth and Resource Development</td>
<td>CCC</td>
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<td>3.</td>
<td>DPS 103</td>
<td>Population Control, Planning and Policies</td>
<td>CCC</td>
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<td>4.</td>
<td>DPS 111</td>
<td>Field Studies</td>
<td>CCC</td>
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#### 2nd Semester

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<tr>
<td>1.</td>
<td>DPS 201</td>
<td>The Human Population and Environment</td>
<td>CCC</td>
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<td>2.</td>
<td>DPS 202</td>
<td>Social Impact Assessment and Sustainable Development</td>
<td>CCC</td>
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<td>3.</td>
<td>DPS 203</td>
<td>Development of Population Studies</td>
<td>CCC</td>
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Semester-I

Note: Each paper will have five questions. Questions No.1 containing short answer type questions from the entire syllabus and will be compulsory.

DPS 101: The Ecology of Human Population


Ecological Impact of Population Growth: The human "Population bomb" impact of growing human population of the life support systems of Earth e.g. air, water, land soil flora and fauna. Ecological Pyramids of number and biomass and the impact of human population explosion on the global ecosystem; relationship between population, poverty and pollution; Impact of population on human health and environmental sanitation.

Demographic Profile: Current trends of population growth; population distribution, density and composition; population projections for the future; rural and the urban population and quality of life, migration of population-causes and consequences.

Fertility Behavior and Mortality Rate: Determinants of fertility and mortality, indicators of fertility, measurements of morality, life expectancy and longevity; crowding behavior-social and psychological aspects. Human genetics, blood groups and Rh factors, fitness characteristics; meological adaptions; genetical adaptions among primitive human societies (tribal population), Heterosis; inbreeding depression; social factors promoting hybridization, genetical disorders among human population; behavioral genetics.
Note: Each paper will have five questions. Questions No. 1 containing short answer type questions from the entire syllabus and will be compulsory.

DPS 102: Population Growth and Resource Development

Global population Growth and Quality of Life: Status of world human population; developing and the developed nations and their population problems; Population growth, economic development and the quality of life in the developing and the developed countries; Population growth curves of human beings and other species on earth.

Population Growth-The Indian Perspective: Growth of population in india-pre and post independence scenario; sex ratio; distribution of Population in India and the Population density.

Ecological-Economics of population Growth: Ecology Vs Economy-the concept of sustainable development with regard to growing human population; socio-economic impact of population explosion and their ecological consequences.

Population and Resources: The finite natural resources(minerals and materials)of earth vis-a-vis the infinitely growing human population, the world food resources vis-a-vis the growing human population quality of food, malnutrition and deficiency diseases with special references to the developing countries. The relationship between population growth, increase in poverty and rise of pollution-the 3 P syndrome and the vicious circle.
Note: Each paper will have five questions. Questions No. 1 containing short answer type questions from the entire syllabus and will be compulsory.

**DPS 103: Population Control, Planning and Policies**

Population Education and Awareness: Need of population education and awareness, and their objectives; Population education in India-achievements and failures.

Population Control-The Socio-Economic Factors: Theories of population control; family planning and family welfare programme in India socio-economic prosperity as a key factor in population control.

Population Control-The Biomedical Factors: The mechanical and oral contraceptives and devices of fertility control and prevention of birth sterilization and immunization; herbal contraceptives and anti-fertility plants.

Population planning and policies: Population policies of developed and developing countries with special reference to China and Islamic countries one and two child norms population planning and policies of India since independence the socio-political and religious aspects of compulsory sterilization perspective of population planning for the future.

**DPS 111: Field Studies**
Note: Each paper will have five questions. Questions No. 1 containing short answer type questions from the entire syllabus and will be compulsory.

**Semester-II**

**DPS 201: The Human Population and Environment**


Population and Health: Concept of health, physical health, mental health, Social health, determinants of health, indicators of health, health profile-Indian scenario, communicable diseases, non communicable diseases, national health policy of India.

Population and Nutrition: Economic status and food intake, food beliefs among population, nutritionally vulnerable groups, nutrition and fertility, nutrition and child survival, nutritional deficiency diseases among population, national nutritional programmes of India.

Population control Law: The Medical termination of pregnancy (MTP) Act of India, Population control laws in India, China and Islamic countries.
Note: Each paper will have five questions. Questions No. 1 containing short answer type questions from the entire syllabus and will be compulsory.

DPS 202: Social Impact Assessment and Sustainable Development

Economic Traits of Population: Economically active and inactive Population, employment status (unemployment, under employment and labour absorption), work force, occupation, structure, income and expenditure.

Technological Revolution: Industrialization, Farmization, Urbanization, meaning of urbanization, determinants of urbanization, urbanization in India, world urbanization.

Sustainable Development: The Brundland Commission Report (1987) about sustainable development, the strategies for sustainable industrialization, sustainable agriculture, sustainable urbanization and sustainable transport system, developmental philosophy based on human needs and not greed Gandhian philosophy of development.

Eco-politics and Development: Politics and environment, the North and South ecopolitical divide on the issues of environment and development, national and international politics on the course of development and environment, role of politician, legislature, and constitution in environment and development.
Note: Each paper will have five questions. Questions No.1 containing short answer type questions from the entire syllabus and will be compulsory.

**DPS 203: Development of Population Studies**

History of Population: Meaning, and scope of demography, size of population, relationship of demography with other sciences, population, pyramids, pre-Malthusian view on population, the theories of Malthus and his immediate predecessors, post-Malthusian views on population.

Optimum Theories of Population: Optimum theory of population, explanation of the optimum theory, views of Dalton and Robbins, criticism of the optimum theory.


**DPS 211: Field Studies**
Suggested Readings

1. Bhantani Smita, Demographic dynamism in India, New Delhi Discovery publishing house.
5. Cox, P.R. 1979, Demography Vikas publication, New Delhi.