

● COURSE TITLE: **POPULATION ECONOMICS (312209)**

❖ COURSE TEACHER: **Md. Abdus Salam (T-8) & M. Mehedi Hasan (T-12)**

Chapter No & Chapter Title	Number of Classes with Class Title	Learning Outcomes At the end of the class the students would be able to
1. Demographic Transition Theory (T-12)	1. Stages of Demographic Transition	1. Comprehend the concept of demographic transition. 2. Explore the four/five stages of demographic transition.
	2. Cost and Benefit of an Additional Child & Demographic Transition Summary of Empirical Studies	1. Analyze the economic implications of having an additional child. 2. Review empirical studies related to demographic transitions.
	3. KAP (Knowledge, Attitude, and Practice) Study & Intergenerational Wealth Flow	1. Recognize the role of KAP studies in demographic research. 2. Explore the concept of intergenerational wealth flow and its impact on demographic transition.
	4. Changes in Society and Demographic Transition	1. Analyze how societal changes influence demographic transitions. 2. Synthesize knowledge from previous classes to understand current demographic trends.
2. Distribution and Density of Population (T-8)	5. Measures of Distribution and Concentration.	1. Analyze different methods used to assess spatial population distribution. 2. Apply statistical techniques such as Lorenz Curve, Gini Coefficient, and Location Quotient in measuring population concentration.
	6. Factors Affecting Population Distribution and Density.	1. Identify physical, economic, social, and political factors influencing population distribution. 2. Examine the role of climate, topography, resources, and infrastructure in shaping population density.
	7. Distribution and Density of Population in Bangladesh.	1. Analyze the spatial distribution of Bangladesh's population and its density variations. 2. Evaluate the impact of urbanization, migration, and government policies on population density.
3. Population Composition (T-12)	8. Measures of Age and Sex Composition	1. Realize the key measures of age and sex composition. 2. Analyze the importance of age-sex groups and indices in demographic studies.
	9. Age Pyramids and Economic Characteristics	1. Interpret age pyramids and understand their implications. 2. Explore economic characteristics related to demographic composition.
	10. Educational Composition, Literacy Differentials, and Determinants	1. Recognize the role of educational composition in population studies. 2. Analyze literacy differentials and their determinants. 3. Discuss examples from Bangladesh.
4. Population Dynamics (T-4)	11. Fertility Measures, Determinants, and an Economic Model of Family Size.	1. Analyze the biological, social, economic, and cultural factors affecting fertility. 2. Explore an economic model of family size, focusing on trade-offs between quantity and quality of children.

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	12. Fertility Trend in Bangladesh; Mortality Measures, Determinants, and Consequences	<ol style="list-style-type: none"> 1. Examine fertility trends in Bangladesh, including the impact of policies like family planning programs. 2. Analyze the social, economic, and healthcare determinants of mortality, and understand its consequences on population structure.
	13. Laws and Models of Migration	<ol style="list-style-type: none"> 1. Identify the key laws of migration, including Ravenstein's Laws and their application in modern migration studies. 2. Analyze the impact of migration on labor markets, economic development, and population redistribution.
5. Technical Analysis (T-8)	14. Life Table, Stationary and Stable Population Model	<ol style="list-style-type: none"> 1. Analyze stationary and stable population models, exploring their assumptions and applications in demographic studies. 2. Compare the differences between stationary and stable populations in terms of age distribution and population growth patterns.
	15. Population Projection	<ol style="list-style-type: none"> 1. Learn the different methods of population projection, including arithmetic, geometric, and exponential growth models. 2. Analyze the uses of population projections in policy planning, resource management, and economic development.
6. Population Theories (T-12)	16. Malthusian Theory of Population & Optimum Population Theory	<ol style="list-style-type: none"> 1. Explore the key concepts of Malthusian Theory of Population. 2. Analyze the Optimum Population Theory and its implications in population economics.
	17. Demographic Population Theory	<ol style="list-style-type: none"> 1. Explain the Demographic Population Theory and its evolution. 2. Compare it with other population theories.
7. Migration (T-12)	18. Internal and International Migration & Levels and Trends in International Migration	<ol style="list-style-type: none"> 1. Realize the concepts of internal and international migration. 2. Analyze levels and trends in international migration.
	19. Theories of Migration, Causes, and Effects of Migration	<ol style="list-style-type: none"> 1. Explore key theories explaining migration. 2. Estimate the causes and effects of migration on both origin and destination regions.
8. Determinants and Consequences of Migration (T-8)	20. Demographic, Economic, and Other Determinants of Migration.	<ol style="list-style-type: none"> 1. Analyze push and pull factors driving migration patterns. 2. Examine how globalization, urbanization, and policy changes affect migration decisions.
	21. Migration as Redistribution of Population and Labour Market Equilibrium.	<ol style="list-style-type: none"> 1. Explain how migration redistributes population across regions and countries. 2. Evaluate the role of migration in addressing labor shortages and economic development.
	22. Criticisms and Externalities Associated with Migration.	<ol style="list-style-type: none"> 1. Identify key criticisms of migration, including economic, social, and political concerns. 2. Discuss positive and negative externalities associated with migration.

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9. Urbanization (T-12)	23. Global Trends and Urbanization in Bangladesh	3. Discern global urbanization trends and their drivers. 4. Analyze urbanization patterns, challenges, and impacts in Bangladesh.
	24. Challenges and Policy Responses to Urbanization	1. Identify and explain the major challenges caused by rapid urbanization in Bangladesh. 2. Explain the economic, social, and environmental consequences of urban growth in Bangladesh.
10. Manpower Utilization: (T-8)	25. Economically Active Population: Concept, Evolution, and Measurement Approaches.	1. Analyze different approaches used to measure the economically active population. 2. Explore the historical evolution of the concept and its changing definitions.
	26. Labor Force Participation in Bangladesh: Factors, Distribution, and Trends	1. Examine labor force participation trends in Bangladesh. 2. Identify key factors affecting labor force participation, including demographics, education, and policy influences.
	27. Surplus Labor and Underemployment: The Two-Sector Model and Measurement in Bangladesh	1. Explain the concept of surplus labor and its implications for economic development. 2. Evaluate the state of underemployment in Bangladesh and potential policy solutions.
11. Interrelationship of Population with other Parameters (T-12)	28. Population, Resources, and Economic Development	1. Measure the interrelationship between population, resources, and economic development. 2. Analyze the impact of population growth on resource utilization and economic growth with a focus on Bangladesh.
	29. Population, Consumption, and Investment	1. Examine how population size and growth affect consumption and investment patterns. 2. Explore the economic implications of demographic changes with examples from Bangladesh.
	30. Population, Urbanization, and Environment	1. Portrait the relationship between population growth, urbanization, and environmental sustainability. 2. Analyze urbanization trends and environmental challenges in Bangladesh.
12. Population Policy (T-12)	31. Population Problem and Policies of Population Control	1. Comprehend the key population problems faced globally and in Bangladesh. 2. Explore different population control policies and their effectiveness.
	32. Family Planning in Bangladesh	1. Capture the concept and importance of family planning. 2. Analyze the development, implementation, and impact of family planning programs in Bangladesh.
13. Human Resource Development (T-8)	33. Problems of Human Resource Development in Bangladesh.	1. Identify key challenges affecting human resource development (HRD) in Bangladesh. 2. Analyze issues related to education, skills development, employment, and health.
	34. Strategies and Policies for Human Resource Development in Bangladesh.	1. Examine the role of government and private sector initiatives in HRD. 2. Evaluate policies and strategies aimed at improving education, vocational training, and workforce productivity.

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14. Population and Economic Development (T- 8)	35. Problems of Human Resource Development in Bangladesh.	<ol style="list-style-type: none"> 1. Identify the major challenges affecting human resource development (HRD) in Bangladesh. 2. Analyze issues related to education, skills development, employment, and healthcare.
	36. Strategies for Human Resource Development in Bangladesh.	<ol style="list-style-type: none"> 1. Explore different strategies for improving HRD, including investment in education and vocational training. 2. Assess the role of public and private sector initiatives in workforce development.
	37. Policies for Human Resource Development in Bangladesh.	<ol style="list-style-type: none"> 1. Examine key government policies related to HRD, including labor market reforms and skill enhancement programs. 2. Evaluate the effectiveness of existing policies in addressing HRD challenges. 3. Discuss recommendations for improving HRD policies to ensure sustainable economic growth.