



AMIE SYLLABUS- SOCIETY & ENVIRONMENT

(GROUP-A)

Societal Structures and Dynamics: An analysis of basic sociological concepts and the applications to contemporary society; social Stratification caste, class, cultural heritage, occupation, mobility and income distribution. Social tensions and their cause societal responsibilities and social institutions.

Development Processes: Parameters for development. Interrelationship between social, economic and scientific factors. Role of science and technology in development. Planning-its objective and assessment.

Technology Assessment: Historical development of science and technology Criteria for assessment of appropriate technology and technology adaptation.

(GROUP-B)

Ecosystems: Natural ecosystems. Principles of eco-balance, Biosphere cycle, carbon dioxide. Causes for eco-imbalance - its effects and remedies.

Environmental Degradation: Causes for degradation - its effect. Control of air, water, soil and noise pollutions. Protection of ozone layer.

Waste Management: Agricultural, urban and industrial waste.

Sustainable Development: Definition and concept. Technology for sustainable energy and materials.