

WEST BENGAL COUNCIL OF HIGHER SECONDARY EDUCATION

SUBJECT: GEOGRAPHY (GEGR)

CLASS – XII

SEMESTER – IV

FULL MARKS: 35

Fundamentals of Physical Geography - MARKS: 15

Units	Contents	Hours
Unit 1	Geotectonic: Sea floor spreading – Definition, evidences and causes; Concept and classification of Plate, types of Plate boundaries and associated landforms.	06
Unit 2	Geomorphic Process: Exogenic process –Fluvial landforms; Coastal landforms; Acolian landforms; Combined works of exogenic processes and associated landforms.	10
Unit 3	Cycle of erosion: Rejuvenation and resultant landforms.	05
Unit 4	Atmosphere: Atmospheric Disturbances – Definition, characteristics and mechanism of Cyclone (Tropical and Temperate zones) and Anti cyclones; Climatic classification after Koppen; Causes and evidences of climatic change.	10
Unit 5	Hydrosphere: Movement of ocean currents and associated environmental effects.	06
Unit 6	Biosphere: Biodiversity -Definition, types, significance, Factors responsible for biodiversity depletion; Strategies and programs of biodiversity conservation	06

Fundamentals of Human Geography - MARKS: 10

Units	Contents	Hours
Unit 1	Population: Demographic transition model by Thompson and Notestein	09
Unit 2	Human Development: Concept; definition; measurement (Human Development Index, Concept of human poverty index); and approaches (Welfare approach; Amartya Sen's Capability approach)	03

Geography of India - MARKS: 10

Units	Contents	Hours
Unit 1	Indian Industries: Distribution, causes of development, problems and prospects: <ul style="list-style-type: none"> • Agro-based – Food processing • Sea-based – Commercial marine Fishing • Forest-based –Paper industry • Mineral-based –Metallic(Iron and steel); Non-metallic (Petrochemical) • Manufacturing-based –Automobile Information and communication technology.	06
Unit 2	Human Settlement and Development in Indian context: Land resources and agricultural land use – Concept of land use and land cover, land use pattern of India, quality and size of cultivable land holdings, methods to reduce fragmentation of land holdings	04
Unit 3	Geographical Perspectives on Selected Issues and Problems: <ol style="list-style-type: none"> Geographical Perspectives on Selected Issues and Problems: <ol style="list-style-type: none"> Water pollution in Ganga Basin Causes, consequences, and management Air pollution in Kolkata and National Capital Region - Causes, consequences, and management Arsenic pollution in southern West Bengal-Causes, consequences, and management Human-wildlife conflict in Dooars and Sundarbans regions Causes, consequences, and management Land degradation in Jangalmahal-Causes, consequences, and management 	10