

GEOGRAPHY (GEGR)

Class - XII

Full Marks: 100

A. Physical Geography 35 Marks B. Economic Geography 35 Marks

A. Physical Geography

1. (a) Geomorphic Processes – Exogenous Processes and associated landforms 2 periods

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|---|---|------------|---------------|
| <ul style="list-style-type: none"> • Gradation • Degradation • Aggradations • Weathering • Agents of Gradation | } | very short | Chart No. - 1 |
|---|---|------------|---------------|

(b) Work of Ground water and associated landforms

Definition of Ground water

Water table,

Acquifers, Springs, Process of erosion by groundwater solution, corrosion, Karst Topography – Sink holes, dolines, caves, caveras, Karst lakes, depositional features: stalactites, stalagmites, cavepillars, dripstones their formation Diagrams and Examples from India, Australia & Yugoslavia

(c) Marine Processes and associated landforms :

Erosional Process of sea wave – abrasion, attrition, solution and hydraulic action; coastline and shoreline, erosional features; sea-cliffs, sea caves, stacks and depositional land forms. e.g. bays, bars and lagoons. Coral reefs : types – fringing, barrier and atolls; submerged and emergent coastlines.

Diagrams and Example from India, Australia and West Europe. (Wherever relevant)

[Note : Only diagram based questions will be asked]

2. Cycle of Erosion: Mechanism & Processes.

- a) Normal cycle
 - b) Arid cycle
 - c) Interruption of Fluvial cycle
- Rejuvenation and resultant landforms

3. Drainage Pattern:

Classification and characteristics
Relation with underlying structure

4. Soil

Introduction & Definition
Genesis of soil
Factors of soil formation
Soil forming process: Fundamental & specific with special reference to fundamental
(Weathering, Illuviation, Eluviation, Humification)
Soil profile
Properties of soil
Soil Fertility and Plant Nutrition
Soil classification (U.S.D.A. classification)
(By chart)
Soil Degradation & Conservation

5. Atmosphere

A. Atmospheric disturbances

Cyclone – mechanism of cyclone
Cyclone of tropical zones
Cyclone of temperate zones
Anticyclones – their types and associated weather
World Map showing major paths of cyclone
Modern concepts of weather circulation, Jet Stream, El Nino, La Nina
Concepts to be introduced with reference to India

B. Climate Change

Climatic classification (Equatorial Monsoon, Mediterranean, climatic regions of the world)

Climate & Vegetation

Influence of climate on Natural vegetation
Classification of plants (According E. Warming)

Climate Change

- Causes of climatic change
- Role of Human Being on World climatic change
- Ozone Depletion
- Green House Effect
- Global Warming
- Evidence of climatic change

6. Biodiversity

- Definition
- Types of Biodiversity
- Loss of Biodiversity
- Importance of Biodiversity
- Significance of conservation of Biodiversity
- Biodiversity & Man
- Strategies of conservation of Biodiversity

7. Man Environment Interaction

A. Natural Hazard & Disasters

- Definition and difference
- Classification of Natural Disaster
- Measures of Disaster
- Pre Disaster
- Post Disaster
- Mitigation Strategies

B. Economic Geography

1. Economic Activities

- a) Primary
- b) Secondary
- c) Tertiary
- d) Quaternary
- e) Quinary

a) Primary Activity: Agriculture

- i) Types of agriculture
 - Wet and dry
 - Crop Rotation and Crop Combination
 - Intensity of cropping
 - Modern inputs in agriculture
 - Technological Shifting – from subsistence to commercial agriculture
 - Green Revolution, White Revolution & Blue Revolution
- ii) Food Grains : Rice (China / India)
 - Wheat (leading two countries)
 - Pulses & Millets (India)
- iii) Commercial & Industrial Crops
 - Coffee – (South India)
 - Tea – (Sri Lanka)
 - Cotton – (Egypt, Pakistan)
 - Sugarcane –
 - Jute - (Bangladesh)
 - Oil Seed – (India Ground Nut & Soya bean)
 - Coconut – (Sri Lanka)

Importance of Market Gardening and Orchard Farming

- Reasons and trends in development in recent year
- Special Emphasize on Mediterranean countries
- Special Ref. of India regarding market gardening

b) Secondary Activities:

Industry

- Factors of Growth of Industrial Location (Theories of Industrial Location)
- Major and minor industrial regions of the World
- Types of industries –
 - A) Agro based –
 - i) Food Processing Industry (Developed countries) In comparison to India
 - ii) Cotton Textile (U.S.A., India)
 - iii) Ready-made Garments (India & World)
 - iv) New Trend in Jute Industry (Bangladesh, India)

SYLLABUS

B) Forest Based

Paper Industry (Canada, India)

Rubber Industry (Malaysia, Brazil)

C) Mineral Based – Metal – Iron & Steel (China, Japan, India)

Non metal – Petrochemical (U.S.A., India)

D) Engineering and Automobiles (U.S.A., India)

c) Tertiary Activities

Definition

Classification: Trade, Transport, Communication, Services, Tourism.

d) Quaternary Activities

Information Based

R & D (Research & Development) Based

e) Quinary Activities

Specialist

Decision makers

Consultants

Policy formulators

C. Population & Settlement

Density of population

Man – Land Ratio, over population, under population, optimum-population

Present Trend of population growth of World with special reference to India.

Impact of Migration on distribution (worldwide) of population

Determinants of population change: Age-Sex Ratio

Causes of uneven distribution of population

Demographic Transition Model: Present status of India

Settlement: Types: Rural, Urban

Types of Rural Settlement

Factors determining the types of rural settlement

Distribution of rural settlement in India

Classification of Urban settlement based on size and functions

Urbanization in India

D. Regional Economic Development

Definition of Development

Planning Regions

Hierarchy of Planning Regions

Special Reference to India

- a) Chhatishgarh
- b) Electronic Industry – Bangalore
- c) Growth of Haldia Port