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

- 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, Elluviation, 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, EI 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)

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

GEOGRAPHY (GEGR)

Practical Marks: 30

1)

a) Drawing of cross-section to show topographical features **(2+1=3 marks)**

b) Interpretation of co-relation of different physical and cultural elements. **(4 marks)**

c) Any question related to topographical maps **(1mark)**

2)

a) Calculation and drawing graticules of any one of the two projections **(2+3=5 marks)**

b) Any conceptual question from the given map projections **(1 mark)**

3)

a) Any Question related to statistical portion **(1 mark)**

b) Graphical representation of data through histogram / frequency polygon / Ogive

Tabulation ..... **2 marks**

Diagrammatic Representation ..... **3 marks**

OR

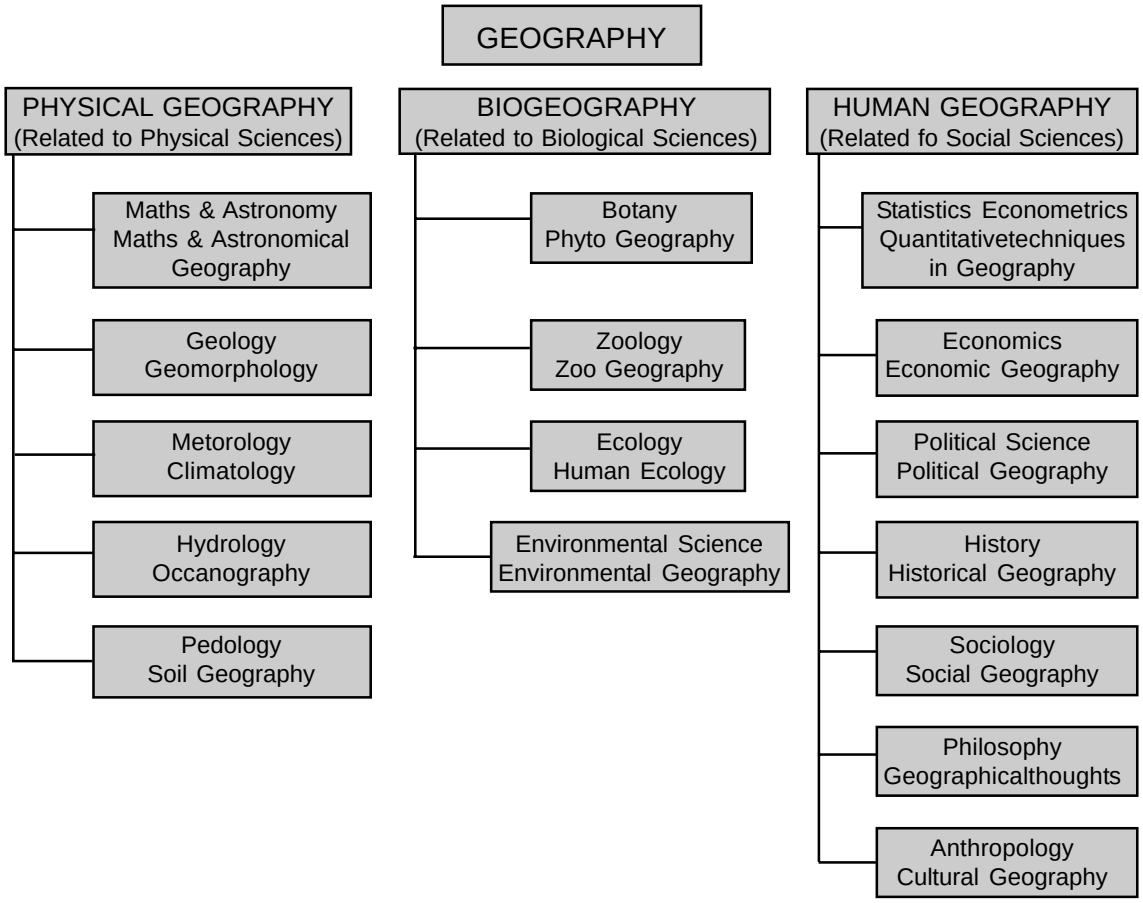
b) Measures of Central tendency / Standard Deviation / Coefficient of Variation **(5 marks)**

4) Project Work (any one) (5 Marks)

- must be handwritten
- not more than 10 pages of A4 size including diagrams.

5) Laboratory Note Book and Viva voce (3+2=5 marks)

Chart No. – 1


GEOGRAPHY
PHYSICAL GEOGRAPHY
(Related to Physical Sciences)
Maths & Astronomy
Maths & Astronomical
Geography
Geology
Geomorphology
Metorology
Climatology
Hydrology
Occanography
Pedology
Soil Geography
BIOGEOGRAPHY
(Related to Biological Sciences)
Botany
Phyto Geography
Zoology
Zoo Geography
Ecology
Human Ecology
Environmental Science
Environmental Geography
HUMAN GEOGRAPHY
(Related fo Social Sciences)
Statistics Econometrics
Quantitativetechniques
in Geography
Economics
Economic Geography
Political Science
Political Geography
History
Historical Geography
Sociology
Social Geography
Philosophy
Geographicalthoughts
Anthropology
Cultural Geography