

For the post of Written Recruitment Examination for the post of Postgraduate Assistants in Tamil Nadu Higher Secondary Educational Service.

Syllabus: GEOGRAPHY (Subject Code: P09)

Unit -1

Land forms

Land forms due to water action – wind action – wave action and glacial action – continental drift – plate tectonics – normal cycle of erosion – concept of davis penck.

Unit -2

Climatology

Heat budget of the earth and atmosphere – Indian monsoon – cyclones and anti cyclones – climatic classification of koppen and thernthwaite.

Unit -3

Population and settlement

World distribution of population – over population ,under population and optimum population- growth of population – theories of population – migration : Internal and international - Rural settlements – types of patterns – Urban settlements – Functional classification of towns and cities.

Unit -4

Environmental Studies

Ecosystem concepts – human impact on physical environments – natural hazards – Air, Land ,Water and Noise pollution – waste disposal and its effects on society – Environmental planning and management .

Unit -5

Geography of India

Division of india based on relief,climate soil and natural vegetation – Agricultural distribution – population distribution – Power production – Mineral distribution and a production – industrial regions – trade and transport – Urbanization.

Unit -6

Quantitative Techniques in Geography

Source of data – Geographic methods of sampling ; point ,line and area sampling – correlation and regression analysis – centrographic measures of mean and median centres and standard distance.

Unit -7

Regional analysis

Formal and functional region – regional hierarchy – regionalism – classification of region – Techniques of regional classification – simple feature and multifeature regions . Macro and micro regions of India – Regions planning in tamilnadu.

Unit -8

Geography of resources and industries

Meaning and nature of resources – Trends of resources – Development – Agricultural resources – Nature and types – food resources – major cereals, oil seeds, beverage crops ,sugarcane and sugarbeet – Animal and marine products – Energy resources – coal ,mineral oil ,H.E.P and Atomic Power production development and trends – industries – Iron and steel ,ship building ,automobiles,Textiles – cotton ,jute ,rayon and woolen – Petroleum refining – Petrochemical industries and fertiliser.

Unit - 9

Thematic Cartography

Compilation and generalization of maps – Map design and layout – Mapping of climatic ,Economic population and other social data – Map reproduction – Signification of Air photos and satellite imagery in map making choropleth maps.

Unit –10

Geography of Tamilnadu

Relief and Drainage,Climate ,Vegetation – Floods and droughts – distribution of food crops and cash crops – animal Husbandry – Fisheries – Minerals – Industries – Power resources- Population and urban centres.