

**DIRECT RECRUITMENT FOR THE POST OF POST GRADUATE ASSISTANTS /  
PHYSICAL EDUCATION DIRECTORS GRADE-I – 2018-2019**

**Subject : GEOGRAPHY**

**Unit I - 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 II - Climatology**

Heat budget of the earth and atmosphere – Indian monsoon – cyclones and anti cyclones – climatic classification of Köppen and Thornthwaite.

**Unit II - 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 IV - 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 V - 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 VI - Quantitative Techniques in Geography**

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

**Unit VII - 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 – Regional planning in Tamil Nadu.

### **Unit VIII - 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 IX - 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 X - 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.