

***PROGRAM OUTCOME  
PROGRAM SPECIFIC OUTCOME  
AND  
COURSE OUTCOME***

***DEPARTMENT OF GEOGRAPHY  
BIDHAN CHANDRA COLLEGE  
ASANSOL - 713304***

## ***PROGRAM OUTCOME***

Geography is one of the most emerging subjects among the students due to its versatility. Students from both Arts and Science stream are able to take Geography as their choice of study in the Under Graduate courses. The syllabus of geography that we follow is at par with the UGC guidelines. Geography basically deals with nature and humans. The correlation between nature and human can only be well understood through this discipline. The mapping techniques are guides to represent all the physical, social, cultural features maintaining proper scaling and elaborative description. The surveys and other projects & analysis are very helpful in carrying out a research carrier for the students. They learn about the sample drawing procedures and can have detailed knowledge about the statistical procedure. After completion of this programme students can get ready not only for jobs but also for various research activities in India and abroad.

## ***PROGRAM SPECIFIC OUTCOME***

1. Students will acquire knowledge about the various tectonic processes.
2. At the end of the course, students will learn to prepare their own maps on the basis of statistical data and will be able to analyse spatial data.
3. Students will also develop clear understanding of various atmospheric processes which influence our day to day weather patterns.
4. They will also know how to analyse statistical data.
5. They will have a clear knowledge about remote sensing and its utility. It will be very helpful in different geographic research techniques in resource management practices
6. Students will have a clear understanding of the regional geographical approaches at the backdrop of India in general and West Bengal in particular.
7. Students will understand through the lectures the interconnection between people and places in different regions, the distribution of economic activities.

## ***COURSE OUTCOME***

### **Semester 1:**

#### **Geotectonics and Geomorphology:**

Students can learn different types of rocks and folds & faults. Origin and effect of earthquake can be understood here. They can also have an idea about global tectonics and different types of landforms.

#### **Fundamentals of Practical Geography- Practical:**

Students can have a practical experience about identification of different types of rocks and minerals. They can also learn how to analysis a geological map.

### **Semester 2:**

#### **Geography and Oceanography:**

Students learn various types of weathering and resulting landforms. They can also get a comprehensive idea about various properties of ocean viz. temperature, salinity, tides and marine rudiments.

#### **Projection and Surveying- Practical:**

Learners can have a practical experience about projection and survey.

### **Semester 3:**

#### **Climatology:**

Climate is an important part of atmosphere. Student can gain a vast knowledge about various influencing factors of atmosphere and climate.

#### **Soil and Biogeography:**

Students can have a concept about land and soil. They can also gain a brief idea about biosphere and biogeography.

## **Weather Data Recording and Soil Testing:**

Students can gain practical knowledge about meaning and utilization of various weather codes and symbols. They can able to read, take and analyse weather data.

## **SEC 1: Remote Sensing:**

Students can gain a basic knowledge about remote sensing. They can handle the GPS and GIS. They will also able to prepare a standard false colour composite from Landsat and IRS images.

## **Semester 4:**

### **Geographical Thought:**

Here students can know about the different branches of Geography as well as the development of Geography from ancient to recent times. They can also be aware about the agricultural economy and industries.

### **Thematic Maps and Diagrams – Practical:**

One can have practical knowledge about choropleth and isopleth maps based on population data. Students will also learn about rainfall dispersion diagram.

### **SEC 2: Geographical Information System:**

Students can explore a digital map. They can use georeferencing of scan maps and images using open source software. They will also learn about preparation of GIS maps.

## **Semester 5:**

### **Settlement Geography:**

Learners will aware about uses of human land, water and resources. They will also have an brief idea about population density patterns and growth.

### **Statistical Techniques - Practical:**

Students can learn collection and handling of data. They will understand the differences between absolute and relative residual mapping.

### **DSC: Population Geography:**

Learners will learn basis of population geography. Various factors influencing the population will be covered up here.

### **Semester 6:**

### **Regional Geography of India and West Bengal:**

One can have a vast knowledge about geographic structure of India as well as West Bengal.

### **Topographical Sheet and Weather Map Interpretation – Practical:**

Students can learn about principles of topographical numbering. They will also learn about how to construct a profile and how to analyse a landform and vegetation characteristics.

### **DSC: Hydrology:**

Students can know about basic of hydrology. They will also aware about global hydrological cycle and the factors influencing the cycle.

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