

# SHREE RATANLAL KANWARLAL PATNI GOVERNMENT P.G. COLLEGE, KISHANGARH

(NAAC ACCREDITED GRADE 'B')  
Affiliated with M.D.S. University, Ajmer



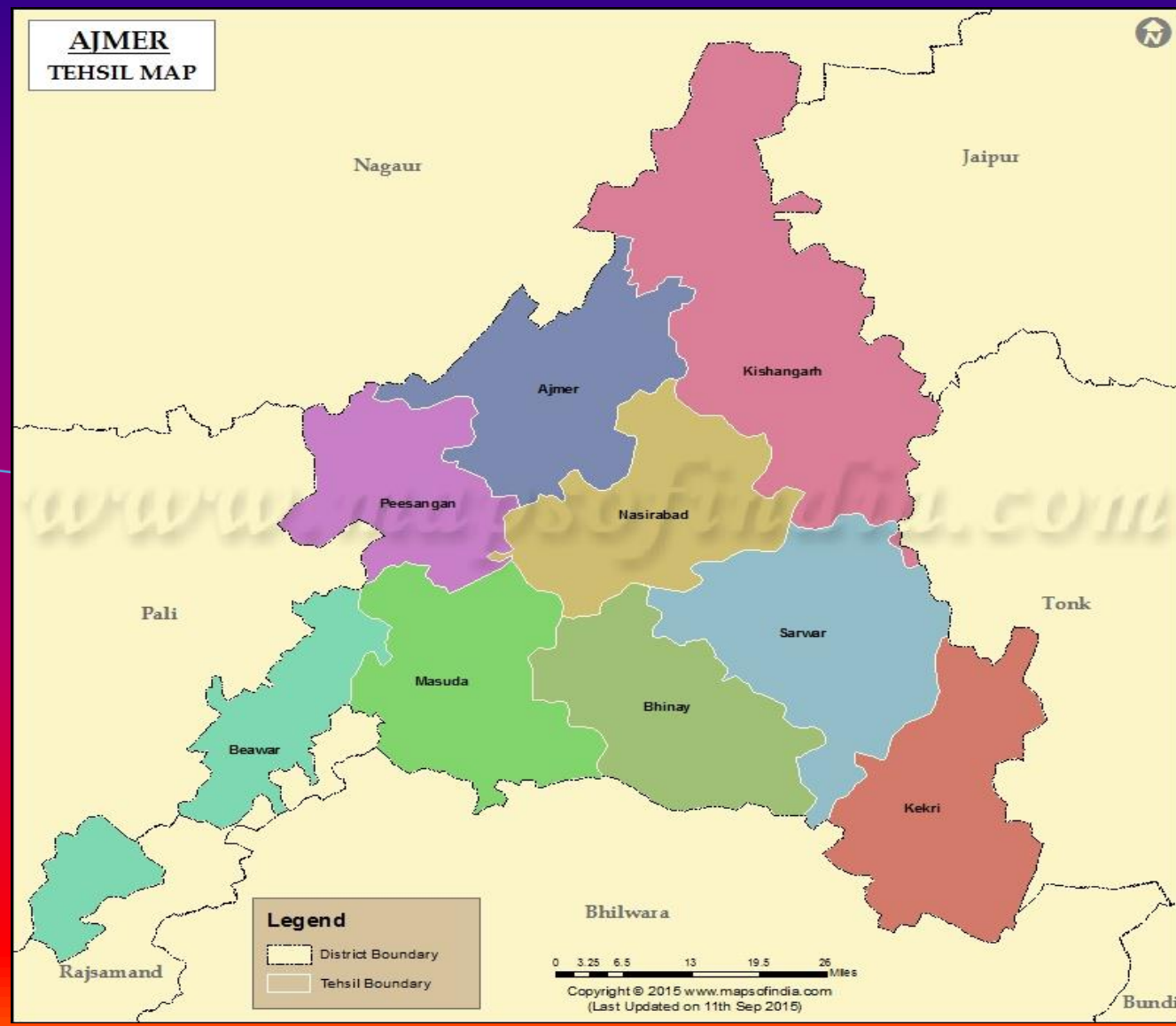
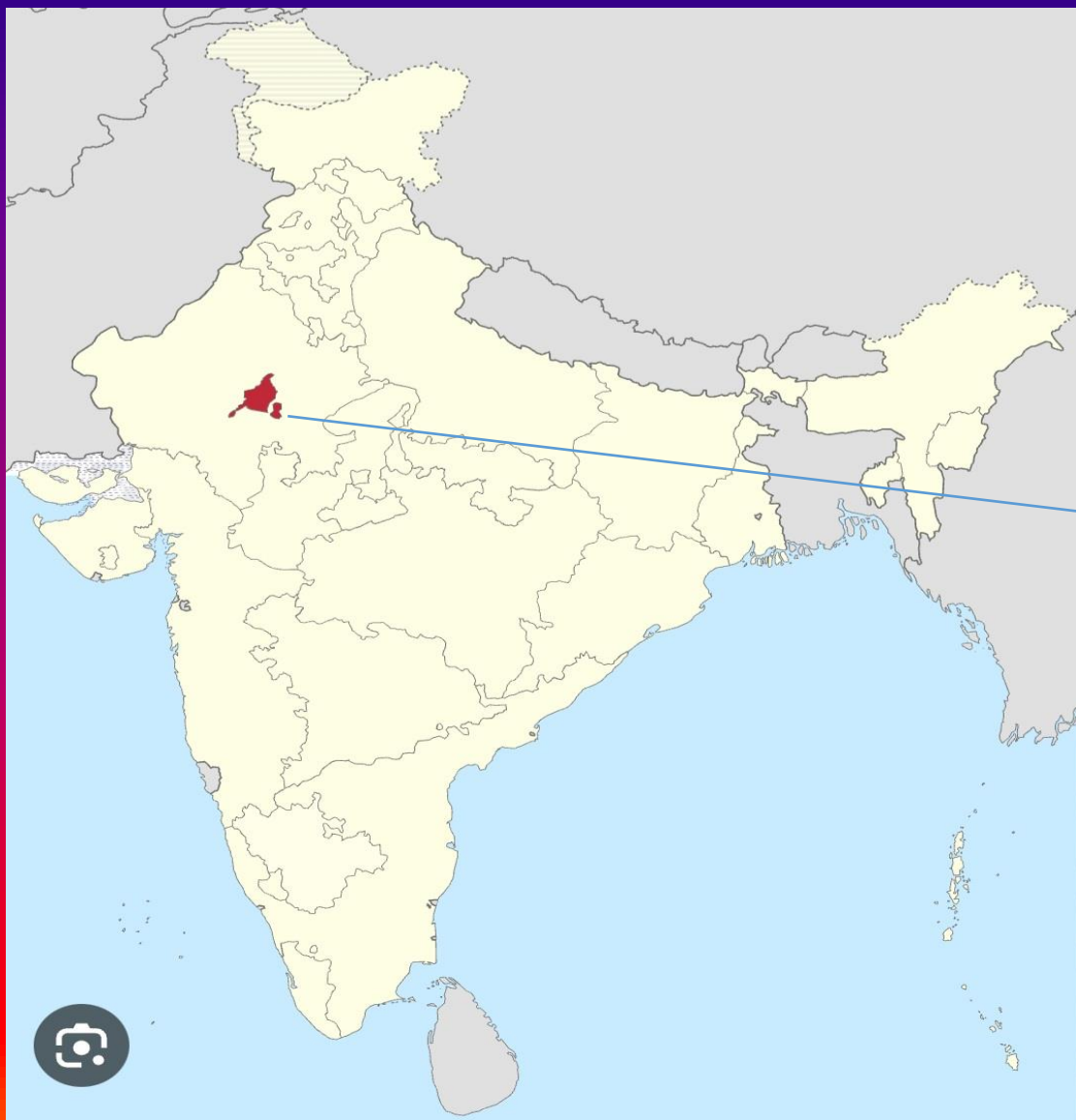
*Heartly Welcomes  
NAAC Peer Team*



## Department of Geography

Departmental Profile

# Location Where We Are



# Department of Geography

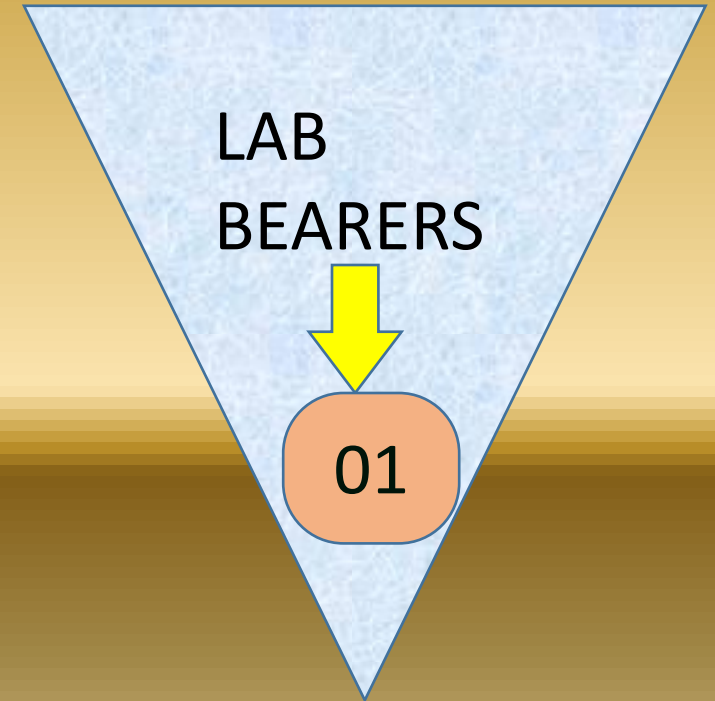
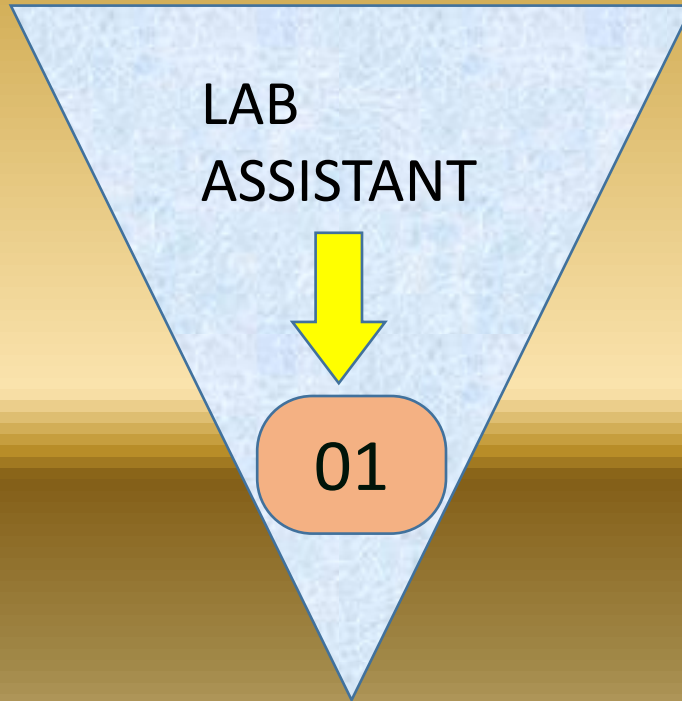
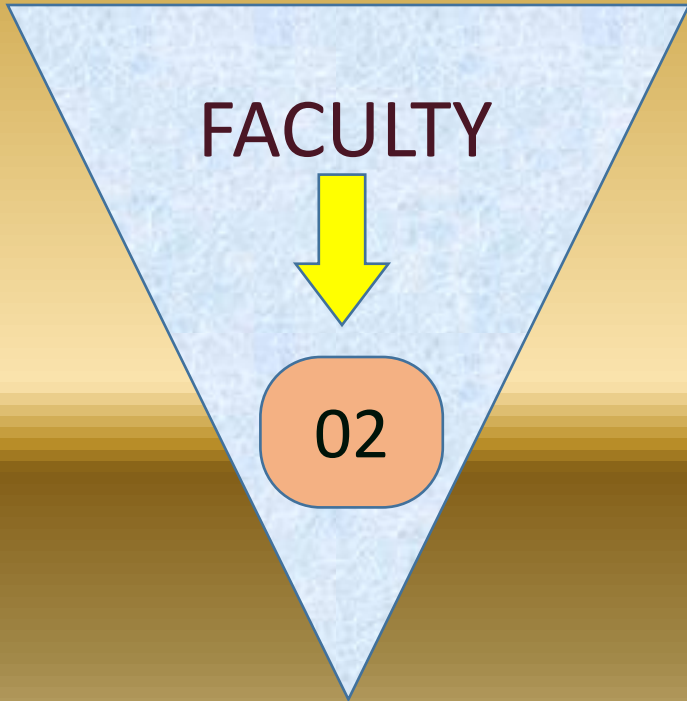


Welcome You





# DEPARTMENT AT A GLANCE



# MISSION AND VISION



**VISION**

Department  
of  
Geography

**MISSION**

- \* To Promote broad knowledge about the Geographic evolution.
- \*The holistic development of the students.

- \*To provide high quality education for students.
- \*To produce young geographers who would contribute in the areas of higher education ,environment and development.

# INFRASTRUCTURE



**01-PRACTICAL ROOM**

**01 DEPARTMENT ROOM**

**01- ICT SMART CLASSROOM**

**CLASSROOM AS PER ALLOTTED**

**01- INSTRUMENT ROOM**

# Detail of Programmes/Courses offered



- Programme level → UG & P.G.
- Name of the Programme/Course → B.A. & M.A[Geography]
- Duration B.A. → 03 years
- Duration M.A. → 02 years
- Entry qualification B.A. → 12<sup>th</sup> pass
- Entry qualification M.A. → B.A./B.SC pass
- Medium of Instruction → Hindi/English
- Sanctioned seats B.A. → 80 Per year
- Sanctioned Seats M.A. → 30 per year



# CURRICULAM ASPECT



**PROGRAM OFFERED**



**B.A. [GEOGRAPHY]  
PASS COURSE  
03 years program  
Annual Scheme**



**06 Papers  
03 practicals**

**PROGRAM OFFERED**



**M.A. [GEOGRAPHY]  
02 years program  
Annual Scheme**



**08 Papers  
02 practicals**



# Course-Curriculum B.A. Pass Course



## Part-I

### Paper 1

#### Physical Geography

##### Course Contents :

##### Unit – I

Defination of Physical Geography, Solar System, Origin of the earth, Shape and size of the Earth, Motions of the Earth and its Stellite, Solar and Lunar eclipse, Physical and chemical state of the earth, structure and zones of the interior of the earth and Geological time scale. Wagners theory of continental drift, Plate Tectonics; Isostasy.

##### Unit – II

Theories of mountain building – Joly, Kober and Holmes; Earth movements; Diastrophic forces – Faults and folds; Sudden endogenetic forces; Earthquakes and Volcano. Rocks, their types and characteristic; Weathering and soil formation; Concept of cycle of Erosion- Davis and Penck; Landforms associated with Fluvial, Glacier, Aeolian and Coastal landscapes.

##### Unit – III

Composition and layers of atmosphere; Insolation and heat budget of the Earth : Temperature and Pressure : Atmospheric circulations- Planetary and local winds; Monsoon and Jet Stream; Air masses and fronts; Temperate and tropical cyclones: Types and distribution of precipitation; Koppen's and Thornthwaite's classification of world climate.

Relief features of Atlantic, Indian and Pacific Oceans; Distribution of temperature and salinity in oceans; Ocean currents and tides; Marine deposits; Coral reefs and Atolls – Types and their origin according to Darwin, Murray and Daly.

### Paper 2

#### Rajasthan Geography

##### Course Contents :

##### Unit – I

Rajasthan : Location; Physiographic Regions; Geological structure; Climate and Climatic regions; Drainage system and lakes; Soil types and regions, erosion and conservation; Vegetation – types and distribution.

Land utilization in Rajasthan : Agriculture – types and characteristics, production and distribution of food and commercial crops; cropping pattern and Agro-climatic zones; importance and sources of irrigation; Major irrigation projects- Chambal, Mahi and Indira Gandhi Canal Project (I.G.C.P.); Live Stock Products and Dairy Development Programmes.

##### Unit – II

Distribution and production of minerals – metallic and Non-metallic; Power Resources – Coal, Petroleum and Natural Gas; Power Resources – as electricity - Hydro based and non-conventional; Industrial Development : Classification of industries, development, distribution, production and locational analysis of cotton textile, cement and stone industries : Cultural heritage and Tourism industry.

Population : Distribution and density; Population structure – age and sex ratio, urban and rural, literacy and occupation; population growth since independence, causes, problems and solutions. Social and cultural status of major tribes – Bhil, Grassia, Meena, Saharia.

##### Unit – III

Means of transportation – roads, railway network and airways.

Detailed study of Marusthal, Aravali, Hadoti and Eastern Plain regions with following heads: Physical environment, Social and cultural environment and economic aspects.

Concept of Human Development – Major indicators, H.D.I. (Human Development Index) of Rajasthan in reference to other states of India.

Status of Women in Rajasthan – changing aspects of demographic, social economic, health and nutrition.

### Paper 3

#### Practical

##### Course Contents :

1. The nature and scope of cartography, Scales – Plain, Diagonal and comparative, time scale .
2. Enlargement, reduction and combination of maps – Square, Similar Triangle and Pantograph, Measurements of distance and computation of Area on maps.
3. Methods of representation of relief-Hachures, Hill Shading, Layer tint, Contours etc. Relief features, types of slopes, valleys, waterfall, Gorge, meanders, plateau, conical hill, Ridge, Delta, Saddle & Pass to be drawn, with the help of contours shown in topographical sheets of different physiographic regions, profile drawing.
4. Study of Topographical sheets – Scheme of Indian topo-sheets. Interpretation of a hilly and a plain area of India in respects of relief, drainage, Human settlement, Transport & Communication Pattern.
5. Palne table survey : Radiation, Intersection Methods and Traversing.

# Course-Curriculum B.A. Pass Course



## Part -II

### Paper 1

#### Human Geography

##### Course Contents :

##### Unit - I

Definition, nature, scope, development and history of human geography; Principles of Human Geography; Approaches of Human Geography; Elements of Human Geography – according to Vidal de-la-Blache, Brunhes, Huntington; Branches of Human geography; Concepts of man-environment relationship. Concept of dualism in geography. Division of races of Mankind : spatial distribution, physical and social profile of racial groups. Ethnic groups. Tribal groups in the world and in India.

##### Unit - II

Early economic activities of mankind : food gathering, hunting, fishing and shifting cultivation. Human adaptation to environment (i) Cold Region – Eskimo;

(ii) Hot, Region- Bushman, Pigmy, Badawins (iii) Plateau – Khirghiz, Masai, Gonds (iv) Mountain – Gujjars, Naga and Khasi (v) Plain-Bhil and Santhal, their Social and Economic activities and adaptation in modern society. Distribution of population, world distribution pattern – physical, economic and social factors influencing spatial distribution; concepts of over population, under population and optimum population. Zero population growth; demographic transition theory.

##### Unit - III

Migration-internal and international, general laws of migration, Concept of Human Development, population regions of India; dynamic, prospective, depressed; Problem of overpopulation in India and its remedial measures. Population control programmes and population policy of India. Settlement : Origin and types of settlements, Rural Settlement- Pattern of Rural settlements; House types and Building materials, Rural settlement in India. Urban settlement – Origin of towns; patterns of cities; functional classification of cities; zoning of cities; Christaller's theory; urbanization and problems; Slums; Town planning – concepts and principles.

### Paper 2

#### Economic Geography

##### Course Contents :

##### Unit - I

Meaning and scope of Economic Geography, concepts, geographical factors affecting economic activities, economic activities of man- primary, secondary and tertiary, types of agriculture and agricultural regions of world, production and distribution of important crops- Rice, Wheat, Maize, Cotton, Sugarcane, Tea, Coffee.

##### Unit - II

Important minerals and their distribution – Iron ore, Copper, Aluminium, Uranium, Coal, Petroleum, Major manufacturing industries and their localization – Iron and steel, Textile industrial regions of the world, world trade and transport. WTO and Globalization, its effect on developing countries.

##### Unit - III

Definition and classification of resources, resource evaluation, Natural resources – distribution, exploitation and conservation (forest, water, soils) biodiversity, sustainable development resource regions of the world.

### Paper 3

#### Practical

##### Syllabus/ B.A. Part - II

Representation of population data – distribution (dot), density (choropleth); growth (ring). Age and sex-composition (pyramid - simple, superimposed and compound) urban & rural population (dot & circle, dot & sphere)

Industrial data – Production and trade (Polyline graph, Bandgraph, Block pile, Bar-simple, compound and multiple), Transport data – traffic flow diagram.

Climatic maps and diagrams – Isoleth maps (Isobar, Isotherms and Isohyts maps). Simple and Compound Wind rose, climograph, hythergraph and climatograph.

Plane table survey – Radiation, intersection, traversing resection (two and three point problems). Mechanical method, Liano's, Bassel's and Trial and error.

Indian clinometers – Its parts, methods and determination the height of distant points.

# Course-Curriculum B.A. Pass Course



## Part -III

### Paper 1

### Regional Geography

#### Course Contents :

#### Unit - I

Concept of region, delimitation methods, types of regions, Asia- relief,

drainage, climate, natural vegetation, soils, minerals, industries, population, economic development of continent, ASEAN, SAARC, AL, Specific study of China.

Europe - relief, drainage, climate, natural vegetation, soils, minerals, industries, population, economic development of continent, E.U. Specific study of Germany.

#### Unit - II

North America - relief, drainage, climate, natural vegetation, soils, minerals, industries, population, economic development of continent, OAS, Specific study of U.S.A.

South America - relief, drainage, climate, natural vegetation, soils, minerals, industries, population, economic development of continent, USAN, CARICOM, Specific study of Brazil.

#### Unit - III

Africa - relief, drainage, climate, natural vegetation, soils, minerals, industries, population, economic development of continent, AU, Specific study of Ethiopia.

Australia - relief, drainage, climate, natural vegetation, soils, minerals, industries, population, economic development of continent, Specific study of Australia.

Concept of Region

### Paper 2

### Indian Geography

#### Course Contents :

#### Unit - I

India in the context of the South-East and South Asia; India : A land of diversities : Unity within diversities. Major terrain elements of India and their role in shaping physical landscape of India. Drainage systems.

Regional and seasonal variation of climate - The monsoon, Western disturbance norwesters, Climatic regions of India.

Soil types. - their distribution and characteristics, vegetation types and their distribution. Forest - the status of their use and need for conservation.

#### Unit - II

Agriculture, irrigation and multipurpose projects, Geographical conditions. Distribution and productions of wheat, rice, sugarcane, cotton, jute, coffee, tea, live stock, fisheries.

Resources : minerals - iron-ore, copper, manganese and sources of power coal, Petroleum, hydropower, atomic energy. Resources Regions of India : Industries - Iron and steel, textile, cement, paper and pulp, industrial regions of India, Transportation - railways, road, air and water.

#### Unit - III

Changing nature of Indian economy - Agricultural growth during the plan period : Green revolution vis-à-vis traditional farming; Agricultural regions and its relevance in agricultural development planning. Spatial distribution of population and density : Socio Economic implications of population explosion : urbanization, Gender discrimination.

Basis of regional planning. Planning division of India - macro and meso : Regional planning, of rural and urban regions.

### Paper 3

### Practical

#### Course Contents :

1. Projection -- General principles, classification and choice of projections. Construction. Properties. Merit and demerits, limitations and use of projections. Projections suitable for map of India.
2. Cylindrical : Simple, Equal area, Gall's and Mercator's projection. Zenithal (Polar case) : Equidistant, Equal Area, Gnomonic, Orthographic, Stereographic, Conical : One standard parallel, two standard parallels, Bonne's and ploy conic. Conventional : Mollweide's and Sinusoidal projection.
3. Statistical methods - computation of Data, Preparation of frequency tables. Graphical presentation of frequencies distribution. Histogram. Frequency polygon. Frequency curve and ogive. Mean, median and mode ; Standard deviation. Calculation of coefficient of correlation (Spearman's and Carl Person's)
4. Diagram - Value-area cartogram, Triangular diagram.
5. Prismatic compass survey - importance. Applications. Methods : Radiation Intersection. Traverse (closed and open traverse) correction of bearings and removal of closing error - Bowditch. Graphical and mathematical method. Calculation of WCB, RB and calculation of included angles (CIA)

# Result



## B.A. GEOGRAPHY

### PART – III

Year	Appeared	Pass
2017-18	75	73
2018-19	76	72
2019-20	73	71
2020-21	69	69
2021-22	73	71



# Result



## M.A. GEOGRAPHY

Year	Appeared	Pass
2017-18	29	28
2018-19	28	28
2019-20	29	28
2020-21	28	28
2021-22	29	27

# Faculty Profile



**Jitendar Singh Bika**  
**Assistant Professor**  
**Department Of Geography**



**Surbhi Singhal**  
**Assistant Professor**  
**Department Of Geography**

# Faculty Profile Details



S.No.	Name of Faculty	Qualification	Year of appointment	Designation	Specialization	Number of years of Teaching experience (Y/M)	
						Yrs	Months
1	<b>Jitendar Singh Bika</b>	M.A.,M.Phil,P.hD (Persuing),NET	2019	Assistant Professor	Geography	04	10
2	<b>Surbhi Singhal</b>	M.A. ,NET	2019	Assistant Professor	Geography	04	02



# Equipments Of the Department Used In Survey



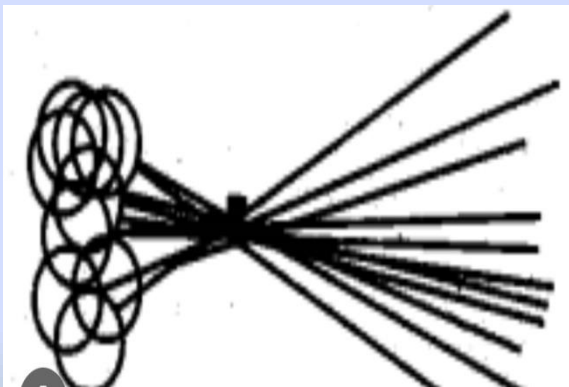
**Chain**



**Plane Table With Tripod Stand**



**Prismatic Compass With  
Aluminum Tripod Stand**



**Arrow**



**Plumb-Bob & Fork**



**Spirit Level**



**Ranging Rods**



# Equipments Of The Department



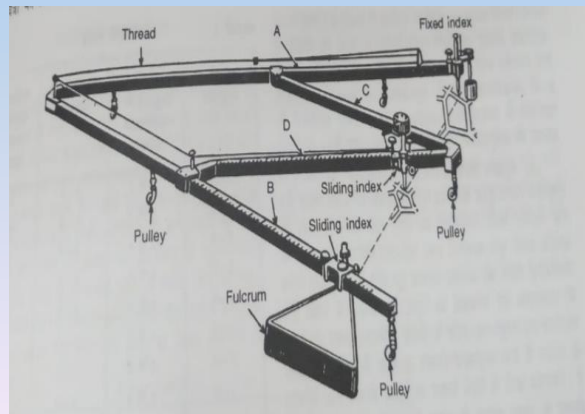
Indian Clinometer



Globe



Wind Vane



Pantograph



Wet And Dry  
Bulb Hygrometer



Rain Gauge



Thermometer



# Survey In Geography





# TEACHING LEARNING METHODOLOGY



**LECTURE METHOD**

**DISCUSSION METHOD**

**LABORATORY WORK**

**PROJECT – BASED METHOD**

**EXPERIENTIAL LEARNING  
METHOD**

# Evaluation of Students





# Co-Curricular Activities





# Academic Events



Population  
Day

Plantation

Wetland Day

Water Day

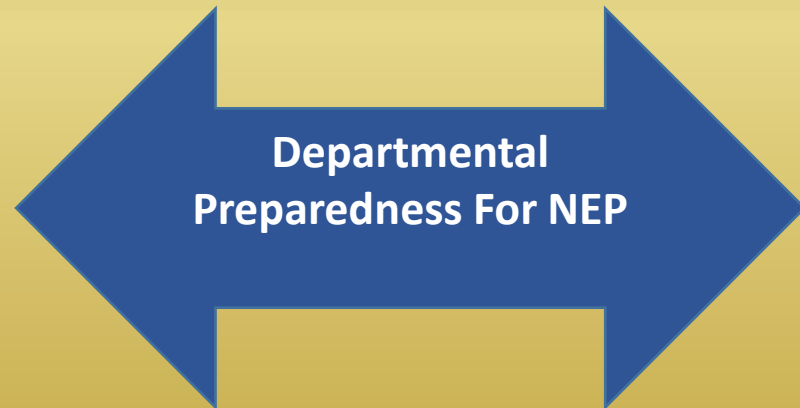
National  
Geographic  
Day

Environment  
Day

Earth Day

Teacher's Day

# NEP- 2020



**Multidisciplinary Approach**

**Academic Bank Of Credits[ABC]**

**Skill Development**

**Integration Of Indian Knowledge Systems**

**Outcome Based Education [OBE]**

**Online Education**



# Best Practices:-



**Field Work**

**Environmental Education**

**Nature Related Activity Through Various Programmes Related To Environmental Awareness**

# SWOC Analysis



## Strengths:

- \*Department has Good academic culture.
- \* Faculty is well qualified and Research oriented.
- \*Quality contribution of faculty members in college's administrative work.
- \*Department has well equipped laboratory viz. Weather Instruments, graphical Instrument, Mapping Instruments, Surveying Instrument, Drawing Instrument etc.

## Weakness

- \*Inadequate class rooms.
- \*Inability to introduce new course.
- \*student-Teacher Ratio should be proper.

## Opportunities

- \*GIS & Remote sensing, AI based short term and long term courses,
- \*Tourism courses
- \*Surveying courses

## Challenges:

- \* To bridge the gap between Slow Learners and Advanced Learners.
- \* Creating awareness about Digital learning .

# Future Plan



**To Establish Instrumental  
Laboratory**

**To Strengthen Departmental  
Library**

**To Organize More Career  
Oriented/Short Term Course**

**To Strengthen Nature Club  
Activity**