<center>

Chanda Shikshan Prasarak Mandal's

Janata Mahavidyalaya Chandrapur

Department of geography

Program Specific Outcomes (POs) and Course Outcomes (CO s)

</center>

After completion of B.A. with geography, students will be able to-

PSO1: acquire an understanding of an appreciation for the relationship between geography and culture.

PSO2: think in special terms to explain what has occurred in the past as well as using geographic principles to understand the present and plan for the future.

PSO3: develop the ethical aptitudes and disposition necessary to acquire and hold leadership position in industries.

PSO4: read, interpret and generate maps and other geographical representations as well as extract analyze, and present information from a special perspective.

PSO5: have a general understanding of physical, geographic processes, the global distribution of landforms and ecosystems, and the role of the physical environment on human population.

PSO6: understand various methodological approaches in both physical and human geography and develop research aptitude and critically analyze both qualitative and quantitative data for research.

PSO7: utilize cartographic tools and other visual formats for employability and develop awareness about geo tourism.

Semester I

After completion of this course students will-

CO1: develop understanding of concepts of space, place and region and their importance in explaining world affairs.

CO2: understand the man-nature relationship, and the causes of the seasons, day night, rotation and revolution of the earth and its consequences.

CO3: understand global and regional patterns of cultural, political and economic institutions, and their effects on the preservation, use and exploitation of natural resources and landscapes.

Lab work:

CO1: Students will be able to learn the cartographic methods to make the map.

CO2: The scale is very important aspects in map, students will be able to locate on map major physical features and individual states and urban centres.

CO3: Students will be able to understand different types of scale and convert one scale into another. They will also learn the statistical methods to calculate the mean, median and mode of the statistical series.

Semester II

After completion of this course students will-

CO1: understand the key concepts in process of heating and cooling of the atmosphere, understand the general set up and composition of the atmosphere.

CO2: learn the process of making of climate in any region. They also understand how to measure the humidity.

CO3: learn classification of climate, atmospheric disturbances, cyclone, tropical and temperate cyclones, anticyclones and global warming.

Lab work (Practicals)

CO1: Students will learn to make the lines of isotherm and isobars and also he Histogram, Hythergraph, and wind rose Diagram.

CO2: The students will understand the relation between geomorphology and climatology. They also learn to use various weather instruments like Thermometer, Barometer dry and wet bulb thermometer, Rain Gauge, Anemometer etc.

Semester III

After completion of this course, students will be able to-

CO1: learn the nature and scope of geomorphology and the stages of development of any Geographical features on the surface of the earth.

CO2: understand the basic causes behind earthquakes and volcanoes.

CO3: learn the continental drift theory postulated by Alfred Wegener and will be able to understand the present Geographic picture of the earth and can interpret any geomorphic landscape.

Lab work (Practical)

CO1: Students will be able to learn the contours and their uses to draw the various topographical features.

CO2: students will also learn the Indian topography maps along with the plane table survey and understands the structure of Earth and the complex processes of volcanoes.

Semester IV

CO1: Students will learn about basic principles of Geomorphology and Oceanography.

CO2: Students will gain knowledge about glaciers and their types, glaciations, the work of glaciers and landforms developed due to glaciations.

CO3: Students will learn about underground water, deposition in the abyssal plain, surface configuration of the ocean floor, Continental shelf, Continental slope, mid oceanic ridges and trenches.

CO4: Students will be able to understand about the circulation of the ocean water specially with Tides and currents. They also understand the environmental danger of Al Nino and LA Nina.

LAB WORK (Practical)

CO1: students will learn various types of projections like Zenithal stereographic projection, zenithal gnomonic projection, simple conical with one standard parallel, simple conical projection with two standard parallel.

CO2: Students will also learn Windows statistic and also learn mean deviation, quartile deviation, and standard deviation.

SEMESTER V

After completion of this course,

CO1: students will be able to learn physiographic and administrative divisions in Maharashtra like drainage pattern, rainfall distribution and characteristic rainfall.

CO2: Students will also learn climatic region, forest types and their distribution in Maharashtra, the major commodities and crops and minerals and their distribution like coal, iron ore and magnesium in Maharashtra.

CO2: This syllabus is at par with MPSC syllabus (geography) and thus helps students to prepare for competitive exams.

LAB WORK (Practical)

CO1: Students will learn methods of enlargement and reduction of the map, basic principles of surveying, Prismatic compass survey, divided rectangles and population pyramids.

CO2: Students will be able to draw the maps and profile of any region with the help of Prismatic compass. With the help of population pyramid they will be able to understand the problems of that related region.

SEMESTER VI

CO1: Students will be able to learn major physiographic divisions in India and major rivers in Indian subcontinent.

CO2: Students will be able to learn about the climate of India, the characteristic of Indian climate, monsoon rainfall distribution and climatic region in India.

CO3: Students will gain knowledge about the major minerals distribution in India along with the hydroelectricity.

CO4: Students will learn to analyze the population density and distribution of population in Indian subcontinent and also will become aware about the population problems and their solution, in various parts of India.

CO5: Students will be able to elaborate the impact of the agricultural Revolution on Indian land and soil, and can also provide solutions.

CO6: Students will learn to use instruments of GPS and will be able to conduct socio economic survey of any village.

LAB WORK (Practical)

Students will learn the various Computer Based techniques to create the maps, Thailand GIS, and GPS. And also understand the use of geographical instruments dumpy level.