

Academic Year	2019-20
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**B.P.H.E. Society's
Ahmednagar College, Ahmednagar
Internal Quality Assurance Cell
CO, PO, and PSO Attainment Sheet**

Department Name	Geography
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Program Name	M.A./ M.Sc
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Program Outcomes(PO)

PO1	Will get knowledge of geographical terms, concepts, and theories and will be able to explain and find out the relation between geographical
PO2	Able to develop and prepare various thematic maps and map reading skills.
PO3	Will be able to understand and apply to collect geographical data through qualitative and quantitative techniques and will be able to ana
PO4	Will be able to communicate the results of the research in written form and oral communication
PO5	Will be able to understand and relate how their life is related to different geographical factors such as environmental, economic, social, a
PO6	Will learn and think in spatial dimensions and will be able to find out the temporal change which took place over the period of time. S/h
PO7	Will be able to understand different concepts of sustainability, sustainable development goals, and how a man can use the physical enviro
PO8	Will acquire skills in interpretation of thematic maps through visual and/or digital interpretation of topographic maps, weather maps, aer
PO9	Will be able to apply knowledge of remote sensing concepts, and techniques in various fields of earth and environment sciences
PO10	Will be able to present the completed research through cartographic tools and other visual formats, with an explanation of research meth
PO11	She/he will be able to develop a research design including hypotheses, and research questions and also will be able to do a critical analy
PO12	Will be able to understand the geographical distribution of the global human population and factors affecting human populations includi

Program Specific Outcome(PSO)

PSO1	Understand the nature and basic concept of Geomorphology, Climatology, Economic Geography, Population Geography, Settlement Ge
PSO2	Students will have acquired necessary communication skills to teach Geography in Colleges.
PSO3	Students will have acquired necessary skills for working in research institutes.

Academic Year :	2019-20
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Class		M.A/M.Sc-I	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUT-111			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Principles of Geomorphology		CO1	3	3	3	2	2	3	3	2	3	2	3	3	3	3	3
Semester No	I		CO2	3	3	3	3	2	3	3	2	3	3	3	3	3	3	2
Teacher Name	Mr. Ajay V. Kakade		CO3	2	3	3	3	3	3	3	3	3	2	3	3	3	2	3
Course Outcomes			CO4	3	2	3	3	3	3	3	2	3	3	3	3	3	3	3
	CO1	To introduce the students to the basic concepts in Geomorphology.	CO5															
	CO2	To introduce latest concepts in Geomorphology	Average	2.75	2.75	3.00	2.75	2.50	3.00	3.00	2.25	3.00	2.50	3.00	3.00	3.00	2.75	2.75
	CO3	To acquaint the students with the utility and application of Geomorphology in different regions and environment.																
	CO4	To make the students aware of the need of protection and conservation of different landforms.																
	CO5																	

Class		M.A/M.Sc-I	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUT-112			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Principles of Climatology		CO1	3	3	3	3	2	3	3	2	3	2	3	3	3	3	3
Semester No	I		CO2	3	3	3	3	3	3	3	2	3	3	3	3	3	3	2
Teacher Name	Mr. Ajay V. Kakade		CO3	3	3	2	3	3	3	3	3	3	2	3	3	3	2	3
Course Outcomes			CO4															
	CO1	To introduce the students to the basic principles and concepts in Climatology	CO5															
	CO2	To acquaint the students with the applications of Climatology	Average	3.00	3.00	2.67	3.00	2.67	3.00	3.00	2.33	3.00	2.33	3.00	3.00	3.00	2.67	2.67

	CO3	To make the students aware of the Planet Earth and thereby to enrich the student's knowledge
	CO4	
	CO5	

Class		M.A/M.Sc-I	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUT-113			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Principles of Economic Geography		CO1	3	3	3	2	2	3	3	2	3	2	3	3	3	2	3
Semester No	I		CO2	3	3	2	3	2	3	3	2	3	3	3	3	3	3	2
Teacher Name	Mr. Dadasaheb Jaware		CO3	3	3	3	3	3	2	3	2	3	2	3	3	2	3	3
Course Outcomes			CO4	3	3	3	2	3	3	2	2	3	3	3	3	3	3	3
	CO1	To introduce the students to the basic principles and concepts in Economic Geography	CO5															
	CO2	To acquaint the students with the applications of Economic	Average	3.00	3.00	2.75	2.50	2.50	2.75	2.75	2.00	3.00	2.50	3.00	3.00	2.75	2.75	2.75
	CO3	The main aim is to integrate the various factors of economic development and to																
	CO4	acquaint the students about this dynamic aspect of economic geography																
	CO5																	

Class		M.A/M.Sc-I	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUT-114			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Principles of Population and Settlement Geography		CO1	3	3	3	2	2	3	3	2	3	2	3	3	3	3	3
Semester No	I		CO2	3	3	3	3	2	3	3	2	3	3	3	3	3	3	2
Teacher Name	Mr. M.L. Karale		CO3	2	3	3	3	3	3	3	3	3	2	3	3	3	2	3
Course Outcomes			CO4															
	CO1	To provide an understanding of spatial and structural dimensions of population	CO5															

	CO2	To familiarizing the students with global and regional level problems	Average	2.67	3.00	3.00	2.67	2.33	3.00	3.00	2.33	3.00	2.33	3.00	3.00	3.00	2.67	2.67
	CO3	To acquaint the students with the spatial, political and structural characteristics of human settlement under varied environmental conditions																
	CO4																	
	CO5																	

Class		M.A/M.Sc-I	Course Outcomes	Program Outcomes												PSOs		
Subject Code		GGUP-115		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name		Practical in Physical and Human Geography	CO1	3	3	3	2	2	3	3	2	3	2	3	3	3	3	3
Semester No		I	CO2															
Teacher Name			CO3															
Course Outcomes			CO4															
	CO1	I. Practical knowledge about the theoretical concept	CO5															
	CO2		Average	3.00	3.00	3.00	2.00	2.00	3.00	3.00	2.00	3.00	2.00	3.00	3.00	3.00	3.00	3.00
	CO3																	
	CO4																	
	CO5																	

Class		M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code		GGUT-121		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name		Geoinformatics-I	CO1	3	3	3	2	2	3	3	2	3	2	2	3	3	3	3
Semester No		II	CO2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
Teacher Name		Mr. Ajay V. Kakade	CO3															
Course Outcomes			CO4															
	CO1	The course of "Geoinformatics" is an introductory course in the field of Geographical Information Systems. Upon successful completion of the course the students should be able to: understand and use the basic elements of GIS technology, and to design and implement simple GIS projects.	CO5															

	CO2	The aim of the course is the acquisition of the fundamentals of Remote Sensing theory as well as the basic steps of satellite images processing. And interpretation of different earth observation systems.	Average	3.00	3.00	3.00	2.50	2.50	3.00	3.00	2.50	3.00	2.50	2.50	3.00	3.00	3.00	2.50
	CO3																	
	CO4																	
	CO5																	

Class		M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs			
Subject Code	Subject Name	Semester No	Teacher Name	Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
GGUT-122	Coastal Geomorphology	II	Mr. Ajay V. Kakade	CO1	2	3	3	2	2	3	3	3	3	2	3	3	3	3	3
				CO2	3	2	3	3	2	3	2	2	3	3	3	3	3	3	2
				CO3															
				CO4															
	CO1	Introduction to coastal processes which configure the coastal zone and coastal landforms as well as to coastal management issues.		CO5															
	CO2	To understanding of coastal processes, that act along the coastline as well as the coastal landforms which are the main result of these processes		Average	2.50	2.50	3.00	2.50	2.00	3.00	2.50	2.50	3.00	2.50	3.00	3.00	3.00	3.00	2.50
	CO3																		
	CO4																		
	CO5																		

Class		M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs			
Subject Code	Subject Name	Semester No	Teacher Name	Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
GGUT-125	Population Geography	II	Mrs. Rajani Pund	CO1	3	3	3	2	3	3	3	2	2	2	3	3	3	3	3
				CO2	2	3	2	3	3	3	3	3	3	3	3	3	3	3	2
				CO3															
				CO4															

	CO1	This course aims to introduce students to the basic concepts of population analysis. Students are initiated to demographic analysis and get accustomed to calculating and interpreting the basic demographic rates	CO5															
	CO2	The basic goal of this course is to provide the basic knowledge and skills necessary to a demographic analysis and the initiation to the interactions between population and economy and population-society.	Average	2.50	3.00	2.50	2.50	3.00	3.00	3.00	2.50	2.50	2.50	3.00	3.00	3.00	3.00	2.50
	CO3																	
	CO4																	
	CO5																	

Class		M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUT-126			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Fluvial Geomorphology		CO1	2	2	3	2	3	3	3	2	3	2	3	3	3	3	3
Semester No	II		CO2	2	3	3	3	2	3	3	3	3	3	3	3	3	3	2
Teacher Name	Mr. Dadasahed Jawre		CO3															
Course Outcomes			CO4															
	CO1	introduction to Fluvial processes and Fluvial landforms as well as to Flood management issues.	CO5															
	CO2	To understanding of Fluvial processes, that act along the River Bank as well as the Fluvial I landforms which are the main result of these processes	Average	2.00	2.50	3.00	2.50	2.50	3.00	3.00	2.50	3.00	2.50	3.00	3.00	3.00	3.00	2.50
	CO3																	
	CO4																	
	CO5																	

Class		M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUT-129			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Geography of Rural Settlement		CO1	3	3	3	2	2	3	3	2	3	2	3	3	3	3	3
Semester No	II		CO2	3	3	3	3	2	3	3	2	3	3	3	3	3	3	2

Teacher Name		Mrs. Rajani Pund	CO3															
Course Outcomes			CO4															
	CO1	This course provides basic knowledge on the spatial and socioeconomic impact of productive activities on rural areas, with special reference to Greece.	CO5															
	CO2	II. The course analyses the socioeconomic phenomena which are developed in rural areas, while it focuses on the significance and the role of agricultural economy in the countryside.	Average	3.00	3.00	3.00	2.50	2.00	3.00	3.00	2.00	3.00	2.50	3.00	3.00	3.00	3.00	2.50
	CO3																	
	CO4																	
	CO5																	

Class	M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs			
Subject Code	GGUT-129		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	
Subject Name	Geography of Tourism	CO1	2	3	2	2	3	3	2	2	2	2	3	3	3	3	3	
Semester No	II	CO2	2	2	3	3	2	3	3	3	3	3	3	3	3	3	2	
Teacher Name	Mr. Dadasaheb Jawre	CO3	3	3	2	2	2	3	3	3	2	3	2	2	3	2	2	
Course Outcomes		CO4	3	2	2	3	2	3	2	2	2	3	2	3	3	2	2	
	CO1	To acquaint the student's basic concepts of Geography & Tourism.	CO5															
	CO2	To aware the students with the utility and application of Tourism	Average	2.50	2.50	2.25	2.50	2.25	3.00	2.50	2.50	2.25	2.75	2.50	2.75	3.00	2.50	2.25
	CO3	To help the students & society to understand the interrelationship between tourism and employment generation opportunities.																
	CO4	To understand the impact of tourism on Physical and Human Environments																
	CO5																	

Class	M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUP-130		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Practical in Surveying and Field visit	CO1	3	3	3	2	2	3	3	2	3	2	3	3	3	3	3

Semester No	II	CO2															
Teacher Name	Mr. Ajay V. Kakade	CO3															
Course Outcomes		CO4															
	CO1	To acquaint the students with the principles of surveying, its importance and utility in the geographical study	CO5														
	CO2		Average	3.00	3.00	3.00	2.00	2.00	3.00	3.00	2.00	3.00	2.00	3.00	3.00	3.00	3.00
	CO3																
	CO4																
	CO5																

Class	M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUP-134		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Practical in Surveying and Field visit	CO1	3	3	3	2	2	3	3	2	3	2	3	3	3	3	3
Semester No	II	CO2	3	3	3	3	2	3	3	2	3	3	3	3	3	3	2
Teacher Name	Dr. Maya Unde	CO3	2	3	3	3	3	3	3	3	3	2	3	3	3	2	3
Course Outcomes		CO4	3	2	3	3	3	3	3	2	3	3	3	3	3	3	3
	CO1	To identify the appropriate probability model that can be used.	CO5	3	3	3	3	3	3	3	3	3	3	3	3	2	2
	CO2	To use forecasting and data analysis techniques in case of univariate and multivariate data sets	Average	2.80	2.80	3.00	2.80	2.60	3.00	3.00	2.40	3.00	2.60	3.00	3.00	2.60	2.60
	CO3	To test the hypotheses particularly about mean, variance, correlation, proportions and goodness of fit															
	CO4	To study applications of statistics in the field of demography															

	CO5	The aim of this course is to initiate students in the basic statistical concepts and customize them with their application, essential to the modern geographer. So as to persuade students of the practical relevance of the subject, realistic examples and exercises drawn from different areas of geography have been chosen. The goal is to provide students with necessary theoretical knowledge and practical skills to proceed with a statistical analysis.
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Class		M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUP-235			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Geoinformatics - II	CO1	3	2	3	2	3	2	3	3	3	2	3	2	2	3	3	
Semester No	III	CO2	3	3	3	2	2	2	2	3	3	3	1	3	3	3	3	
Teacher Name	Mr. Ajay V. Kakade	CO3																
Course Outcomes		CO4																
	CO1	To acquaint the students with new concepts and approaches in Geography.	CO5															
	CO2	To familiarize the students with the wide application fields in Geography	Average	3.00	2.50	3.00	2.00	2.50	2.00	2.50	3.00	3.00	2.50	2.00	2.50	2.50	3.00	3.00
	CO3																	
	CO4																	
	CO5																	

Class		M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUP-235			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Geographical Thoughts	CO1	3	2	3	2	3	2	3	3	3	2	3	2	2	3	3	
Semester No	III	CO2	3	3	3	2	2	2	2	3	3	3	1	3	3	3	3	
Teacher Name	Mr. Dadasaheb jawre	CO3																
Course Outcomes		CO4																
	CO1	To introduce the importance and history of geographical thought.	CO5															
	CO2	To introduce the importance and application of applied geography	Average	3.00	2.50	3.00	2.00	2.50	2.00	2.50	3.00	3.00	2.50	2.00	2.50	2.50	3.00	3.00
	CO3																	

	CO4	
	CO5	

Class		M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUP-237			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Tropical Geomorphology		CO1	3	3	3	3	3	2	3	2	3	2	3	2	2	3	3
Semester No	III		CO2															
Teacher Name	Mr. Dadasaheb jawre		CO3															
Course Outcomes			CO4															
	CO1	The students pursuing this course would have to develop in depth understanding of various aspects of the Tropical geomorphology	CO5															
	CO2		Average	3.00	3.00	3.00	3.00	3.00	2.00	3.00	2.00	3.00	2.00	3.00	2.00	2.00	3.00	3.00
	CO3																	
	CO4																	
	CO5																	

Class		M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUP-240			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Urban Geography		CO1	3	2	3	2	3	2	3	3	3	2	3	2	2	3	3
Semester No	III		CO2															
Teacher Name	Mrs. Rajani Pund		CO3															
Course Outcomes			CO4															
	CO1	To Introduce the importance and needs of urban planning.	CO5															
	CO2		Average	3.00	2.00	3.00	2.00	3.00	2.00	3.00	3.00	3.00	2.00	3.00	2.00	2.00	3.00	3.00
	CO3																	
	CO4																	
	CO5																	

Class		M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUP-242			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Hydrology		CO1	3	2	3	2	3	2	3	3	3	2	3	2	2	3	3
Semester No	III		CO2															
Teacher Name	Dr. Maya Unde		CO3															
Course Outcomes			CO4															
	CO1	Understand hydrological characteristics.	CO5															
	CO2		Average	3.00	2.00	3.00	2.00	3.00	2.00	3.00	3.00	3.00	2.00	3.00	2.00	2.00	3.00	3.00
	CO3																	
	CO4																	
	CO5																	

Class		M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUP-241			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Practical in Geoinformatics		CO1	3	2	3	2	3	2	3	3	3	2	3	2	2	3	3
Semester No	III		CO2															
Teacher Name	Mr. Ajay V. Kakade		CO3															
Course Outcomes			CO4															
	CO1	Hands on various GIS Softwares.	CO5															
	CO2		Average	3.00	2.00	3.00	2.00	3.00	2.00	3.00	3.00	3.00	2.00	3.00	2.00	2.00	3.00	3.00
	CO3																	
	CO4																	
	CO5																	

Class		M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUP-245			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Practical in Geomorphology		CO1	3	2	3	2	3	2	3	3	3	2	3	2	2	3	3
Semester No	III		CO2															
Teacher Name	Mr. Ajay V. Kakade		CO3															
Course Outcomes			CO4															
	CO1	To acquaint the students practical knowledge about the theoretical concept.	CO5															

	CO2		Average	3.00	2.00	3.00	2.00	3.00	2.00	3.00	3.00	3.00	2.00	3.00	2.00	2.00	3.00	3.00
	CO3																	
	CO4																	
	CO5																	

Class		M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUP-248			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Practical in Population and Settlement Geography		CO1	3	3	3	2	3	2	3	3	3	2	3	2	2	3	3
Semester No	III		CO2															
Teacher Name	Mrs. Rajani Pund		CO3															
Course Outcomes			CO4															
	CO1	To acquaint the students practical knowledge about the theoretical concept.	CO5															
	CO2		Average	3.00	3.00	3.00	2.00	3.00	2.00	3.00	3.00	3.00	2.00	3.00	2.00	2.00	3.00	3.00
	CO3																	
	CO4																	
	CO5																	

Class		M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUT-P-249			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Geography of India		CO1	3	3	3	2	2	3	3	2	3	2	3	3	3	3	3
Semester No	IV		CO2	3	3	3	3	2	3	3	2	3	3	3	3	3	3	2
Teacher Name	Mr. Dadasaheb jawre		CO3	2	3	3	3	3	3	3	3	2	3	3	3	2	3	3
Course Outcomes			CO4	3	2	3	3	3	3	3	2	3	3	3	3	3	3	3
	CO1	To acquaint the students with geography of our Nation and Maharashtra State	CO5															
	CO2	To make the student aware of the magnitude of problems and Prospects at National level and state level	Average	2.75	2.75	3.00	2.75	2.50	3.00	3.00	2.25	3.00	2.50	3.00	3.00	3.00	2.75	2.75
	CO3	To help the students to understand the inter relationship between the subject and the society.																

	CO4	To help the students to understand the recent trends in regional studies
	CO5	

Class		M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUT-250			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Oceanography		CO1	3	2	3	2	3	2	3	3	3	2	3	2	2	3	3
Semester No	IV		CO2	3	3	3	2	2	2	2	3	3	3	1	3	3	3	3
Teacher Name	Mr. Ajay V. Kakade		CO3	2	3	2	3	3	3	2	2	3	3	3	3	2	2	3
Course Outcomes			CO4															
	CO1	To introduce the students to the basic principles and concepts in Oceanography	CO5															
	CO2	To acquaint the students with the applications of Oceanography in different areas and environment.	Average	2.67	2.67	2.67	2.33	2.67	2.33	2.33	2.67	3.00	2.67	2.33	2.67	2.33	2.67	3.00
	CO3	To make the students aware of the Planet Earth and thereby to enrich the student's knowledge.																
	CO4																	
	CO5																	

Class		M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUT-251			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Research Methodology		CO1	3	2	3	2	3	2	3	3	3	2	3	2	2	3	3
Semester No	IV		CO2	3	3	3	2	2	2	2	3	3	3	1	3	3	3	3
Teacher Name	Mr. Ajay V. Kakade		CO3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Course Outcomes			CO4															
	CO1	Students should understand a general definition of research design	CO5															
	CO2	Students should be able to identify the overall process of designing a research study from its inception to its report	Average	3.00	2.67	3.00	2.33	2.67	2.33	2.67	3.00	3.00	2.67	2.33	2.67	2.67	3.00	3.00

	CO3	Students should know the primary characteristics of quantitative research and qualitative research. Students should be able to identify a research problem stated in a study.
	CO4	
	CO5	

Class		M.A./M.Sc.	Course Outcomes	Program Outcomes												PSOs		
Subject Code	GGUT-255			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Regional Planning		CO1	3	3	3	2	2	3	3	2	3	2	3	3	3	3	3
Semester No	IV		CO2	3	3	3	3	2	3	3	2	3	3	3	3	3	3	2
Teacher Name	Mr. Ajay V. Kakade		CO3	2	3	3	3	3	3	3	3	3	2	3	3	3	2	3
Course Outcomes			CO4	3	2	3	3	3	3	3	2	3	3	3	3	3	3	3
	CO1	Students will be able to understand the definition and concept of regional geography study about the principles and importance, types and levels of Regional planning.	CO5	3	3	3	3	2	2	2	3	3	2	3	3	2	2	2
	CO2	They will understand the concept and types of Region as well as measurement of regional development.	Average	2.80	2.80	3.00	2.80	2.40	2.80	2.80	2.40	3.00	2.40	3.00	3.00	2.80	2.60	2.60
	CO3	Ability to prepare surveys of regional planning based on Regional, Techno-economic and Diagnostic level surveys																
	CO4	IV. They can understand Regional disparities and policies in India.																
	CO5	Students will be able to understand regional approach for the study regionalization and planning.																

Class	M.A./M.Sc.	Course	Program Outcomes												PSOs		
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Subject Code	GGUP-258		Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Interpretation of Topographical maps and Village Survey		CO1	3	2	3	2	3	2	3	3	3	2	3	2	2	3	3
Semester No	IV		CO2	3	3	3	2	2	2	2	3	3	3	1	3	3	3	3
Teacher Name	Mr. Ajay V. Kakade		CO3															
Course Outcomes			CO4															
	CO1	They will understand the concept and types of Region as well as measurement of regional development.	CO5															
	CO2	Ability to prepare surveys of regional planning based on Regional, Techno-economic and Diagnostic level surveys	Average	3.00	2.50	3.00	2.00	2.50	2.00	2.50	3.00	3.00	2.50	2.00	2.50	2.50	3.00	3.00
	CO3																	
	CO4																	
	CO5																	

CO-PO Mapping

		Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
FY	FY	1 GGUT-111	2.75	2.75	3.00	2.75	2.50	3.00	3.00	2.25	3.00	2.50	3.00	3.00
		2 GGUT-112	3.00	3.00	2.67	3.00	2.67	3.00	3.00	2.33	3.00	2.33	3.00	3.00
		3 GGUT-113	3.00	3.00	2.75	2.50	2.50	2.75	2.75	2.00	3.00	2.50	3.00	3.00
		4 GGUT-114	2.67	3.00	3.00	2.67	2.33	3.00	3.00	2.33	3.00	2.33	3.00	3.00
		5 GGUP-115	3.00	3.00	3.00	2.00	2.00	3.00	3.00	2.00	3.00	2.00	3.00	3.00
		6 GGUT-121	3.00	3.00	3.00	2.50	2.50	3.00	3.00	2.50	3.00	2.50	2.50	3.00
		7 GGUT-122	2.50	2.50	3.00	2.50	2.00	3.00	2.50	2.50	3.00	2.50	3.00	3.00
		8 GGUT-125	2.50	3.00	2.50	2.50	3.00	3.00	3.00	2.50	2.50	2.50	3.00	3.00
		9 GGUT-126	2.00	2.50	3.00	2.50	2.50	3.00	3.00	2.50	3.00	2.50	3.00	3.00
		10 GGUT-129	3.00	3.00	3.00	2.50	2.00	3.00	3.00	2.00	3.00	2.50	3.00	3.00
		11 GGUT-129	2.50	2.50	2.25	2.50	2.25	3.00	2.50	2.50	2.25	2.75	2.50	2.75
		12 GGUP-130	3.00	3.00	3.00	2.00	2.00	3.00	3.00	2.00	3.00	2.00	3.00	3.00
		13 GGUP-134	2.80	2.80	3.00	2.80	2.60	3.00	3.00	2.40	3.00	2.60	3.00	3.00
SY	SY	1 GGUP-235	3.00	2.50	3.00	2.00	2.50	2.00	2.50	3.00	3.00	2.50	2.00	2.50
		2 GGUP-235	3.00	2.50	3.00	2.00	2.50	2.00	2.50	3.00	3.00	2.50	2.00	2.50
		3 GGUP-237	3.00	3.00	3.00	3.00	3.00	2.00	3.00	2.00	3.00	2.00	3.00	2.00
		4 GGUP-240	3.00	2.00	3.00	2.00	3.00	2.00	3.00	3.00	3.00	2.00	3.00	2.00
		5 GGUP-242	3.00	2.00	3.00	2.00	3.00	2.00	3.00	3.00	3.00	2.00	3.00	2.00
		6 GGUP-241	3.00	2.00	3.00	2.00	3.00	2.00	3.00	3.00	3.00	2.00	3.00	2.00
		7 GGUP-245	3.00	2.00	3.00	2.00	3.00	2.00	3.00	3.00	3.00	2.00	3.00	2.00
		8 GGUP-248	3.00	3.00	3.00	2.00	3.00	2.00	3.00	3.00	3.00	2.00	3.00	2.00
		9 GGUT-P-249	2.75	2.75	3.00	2.75	2.50	3.00	3.00	2.25	3.00	2.50	3.00	3.00
		10 GGUT-250	2.67	2.67	2.67	2.33	2.67	2.33	2.33	2.67	3.00	2.67	2.33	2.67
		11 GGUT-251	3.00	2.67	3.00	2.33	2.67	2.33	2.67	3.00	3.00	2.67	2.33	2.67
		12 GGUT-255	2.80	2.80	3.00	2.80	2.40	2.80	2.80	2.40	3.00	2.40	3.00	3.00
		13 GGUP-258	3.00	2.50	3.00	2.00	2.50	2.00	2.50	3.00	3.00	2.50	2.00	2.50

CO-PO ATTAINMENT

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
0.55	0.55	0.6	0.55	0.5	0.6	0.6	0.45	0.6	0.5	0.6	0.6
0.6	0.6	0.533333	0.6	0.533333	0.6	0.6	0.466667	0.6	0.466667	0.6	0.6
2.04	2.04	1.87	1.7	1.7	1.87	1.87	1.36	2.04	1.7	2.04	2.04
1.386667	1.56	1.56	1.386666667	1.213333	1.56	1.56	1.213333	1.56	1.213333	1.56	1.56
3	3	3	2	2	3	3	2	3	2	3	3
1.72	1.72	1.72	1.433333333	1.433333	1.72	1.72	1.433333	1.72	1.433333	1.433333	1.72
1.033333	1.033333	1.24	1.033333333	0.826667	1.24	1.033333	1.033333	1.24	1.033333	1.24	1.24
1.566667	1.88	1.566667	1.566666667	1.88	1.88	1.88	1.566667	1.566667	1.566667	1.88	1.88
1.04	1.3	1.56	1.3	1.3	1.56	1.56	1.3	1.56	1.3	1.56	1.56
1.24	1.24	1.24	1.033333333	0.826667	1.24	1.24	0.826667	1.24	1.033333	1.24	1.24
1.433333	1.433333	1.29	1.433333333	1.29	1.72	1.433333	1.433333	1.29	1.576667	1.433333	1.576667
1.72	1.72	1.72	1.146666667	1.146667	1.72	1.72	1.146667	1.72	1.146667	1.72	1.72
0.858667	0.858667	0.92	0.858666667	0.797333	0.92	0.92	0.736	0.92	0.797333	0.92	0.92
2.2	1.833333	2.2	1.466666667	1.833333	1.466667	1.833333	2.2	2.2	1.833333	1.466667	1.833333
2.04	1.7	2.04	1.36	1.7	1.36	1.7	2.04	2.04	1.7	1.36	1.7
1.08	1.08	1.08	1.08	1.08	0.72	1.08	0.72	1.08	0.72	1.08	0.72
2.36	1.573333	2.36	1.573333333	2.36	1.573333	2.36	2.36	2.36	1.573333	2.36	1.573333
3	2	3	2	3	2	3	3	3	2	3	2
2.52	1.68	2.52	1.68	2.52	1.68	2.52	2.52	2.52	1.68	2.52	1.68
1.4	0.933333	1.4	0.933333333	1.4	0.933333	1.4	1.4	1.4	0.933333	1.4	0.933333
3	3	3	2	3	2	3	3	3	2	3	2
2.75	2.75	3	2.75	2.5	3	3	2.25	3	2.5	3	3
1.528889	1.528889	1.528889	1.337777778	1.528889	1.337778	1.337778	1.528889	1.72	1.528889	1.337778	1.528889
1.24	1.102222	1.24	0.964444444	1.102222	0.964444	1.102222	1.24	1.24	1.102222	0.964444	1.102222
2.352	2.352	2.52	2.352	2.016	2.352	2.352	2.016	2.52	2.016	2.52	2.52
0.92	0.766667	0.92	0.613333333	0.766667	0.613333	0.766667	0.92	0.92	0.766667	0.613333	0.766667

Percentage CO-PO ATTAINMENT

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
20	20	20	20	20	20	20	20	20	20	20	20
20	20	20	20	20	20	20	20	20	20	20	20
68	68	68	68	68	68	68	68	68	68	68	68
52	52	52	52	52	52	52	52	52	52	52	52
100	100	100	100	100	100	100	100	100	100	100	100
57.33333	57.33333	57.33333	57.33333333	57.33333	57.33333	57.33333	57.33333	57.33333	57.33333	57.33333	57.33333
41.33333	41.33333	41.33333	41.33333333	41.33333	41.33333	41.33333	41.33333	41.33333	41.33333	41.33333	41.33333
62.66667	62.66667	62.66667	62.66666667	62.66667	62.66667	62.66667	62.66667	62.66667	62.66667	62.66667	62.66667
52	52	52	52	52	52	52	52	52	52	52	52
41.33333	41.33333	41.33333	41.33333333	41.33333	41.33333	41.33333	41.33333	41.33333	41.33333	41.33333	41.33333
57.33333	57.33333	57.33333	57.33333333	57.33333	57.33333	57.33333	57.33333	57.33333	57.33333	57.33333	57.33333
57.33333	57.33333	57.33333	57.33333333	57.33333	57.33333	57.33333	57.33333	57.33333	57.33333	57.33333	57.33333
30.66667	30.66667	30.66667	30.66666667	30.66667	30.66667	30.66667	30.66667	30.66667	30.66667	30.66667	30.66667
73.33333	73.33333	73.33333	73.33333333	73.33333	73.33333	73.33333	73.33333	73.33333	73.33333	73.33333	73.33333
68	68	68	68	68	68	68	68	68	68	68	68
36	36	36	36	36	36	36	36	36	36	36	36
78.66667	78.66667	78.66667	78.66666667	78.66667	78.66667	78.66667	78.66667	78.66667	78.66667	78.66667	78.66667
100	100	100	100	100	100	100	100	100	100	100	100
84	84	84	84	84	84	84	84	84	84	84	84
46.66667	46.66667	46.66667	46.66666667	46.66667	46.66667	46.66667	46.66667	46.66667	46.66667	46.66667	46.66667
100	100	100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100	100
57.33333	57.33333	57.33333	57.33333333	57.33333	57.33333	57.33333	57.33333	57.33333	57.33333	57.33333	57.33333
41.33333	41.33333	41.33333	41.33333333	41.33333	41.33333	41.33333	41.33333	41.33333	41.33333	41.33333	41.33333
84	84	84	84	84	84	84	84	84	84	84	84
30.66667	30.66667	30.66667	30.66666667	30.66667	30.66667	30.66667	30.66667	30.66667	30.66667	30.66667	30.66667

CO-PSO MAPPING

CO-PSO ATTAINMENT

Percentage CO-PSO ATTAINMENT

	Course	PSO1	PSO2	PSO3
FY	1 GGUT-111	3.00	2.75	2.75
	2 GGUT-112	3.00	2.67	2.67
	3 GGUT-113	2.75	2.75	2.75
	4 GGUT-114	3.00	2.67	2.67
	5 GGUP-115	3.00	3.00	3.00
	6 GGUT-121	3.00	3.00	2.50
	7 GGUT-122	3.00	3.00	2.50
	8 GGUT-125	3.00	3.00	2.50
	9 GGUT-126	3.00	3.00	2.50
	10 GGUT-129	3.00	3.00	2.50
	11 GGUT-129	3.00	2.50	2.25
	12 GGUP-130	3.00	3.00	3.00
	13 GGUP-134	3.00	2.60	2.60
SY	1 GGUP-235	2.50	3.00	3.00
	2 GGUP-235	2.50	3.00	3.00
	3 GGUP-237	2.00	3.00	3.00
	4 GGUP-240	2.00	3.00	3.00
	5 GGUP-242	2.00	3.00	3.00
	6 GGUP-241	2.00	3.00	3.00
	7 GGUP-245	2.00	3.00	3.00
	8 GGUP-248	2.00	3.00	3.00
	9 GGUT-P-24	3.00	2.75	2.75
	10 GGUT-250	2.33	2.67	3.00
	11 GGUT-251	2.67	3.00	3.00
	12 GGUT-255	2.80	2.60	2.60
	13 GGUP-258	2.50	3.00	3.00

Course	PSO1	PSO2	PSO3
GGUT-111	0.6	0.55	0.55
GGUT-112	0.6	0.533333	0.533333
GGUT-113	1.87	1.87	1.87
GGUT-114	1.56	1.386667	1.386667
GGUP-115	3	3	3
GGUT-121	1.72	1.72	1.433333
GGUT-122	1.24	1.24	1.033333
GGUT-125	1.88	1.88	1.566667
GGUT-126	1.56	1.56	1.3
GGUT-129	1.24	1.24	1.033333
GGUT-129	1.72	1.433333	1.29
GGUP-130	1.72	1.72	1.72
GGUP-134	0.92	0.797333	0.797333
GGUP-235	1.833333	2.2	2.2
GGUP-235	1.7	2.04	2.04
GGUP-237	0.72	1.08	1.08
GGUP-240	1.573333	2.36	2.36
GGUP-242	2	3	3
GGUP-241	1.68	2.52	2.52
GGUP-245	0.933333	1.4	1.4
GGUP-248	2	3	3
GGUT-P-249	3	2.75	2.75
GGUT-250	1.337778	1.528889	1.72
GGUT-251	1.102222	1.24	1.24
GGUT-255	2.352	2.184	2.184
GGUP-258	0.766667	0.92	0.92

Course	PSO1	PSO2	PSO3
GGUT-111	20	20	20
GGUT-112	20	20	20
GGUT-113	68	68	68
GGUT-114	52	52	52
GGUP-115	100	100	100
GGUT-121	57.333333	57.333333	57.333333
GGUT-122	41.333333	41.333333	41.333333
GGUT-125	62.666667	62.666667	62.666667
GGUT-126	52	52	52
GGUT-129	41.333333	41.333333	41.333333
GGUT-129	57.333333	57.333333	57.333333
GGUP-130	57.333333	57.333333	57.333333
GGUP-134	30.666667	30.666667	30.666667
GGUP-235	73.333333	73.333333	73.333333
GGUP-235	68	68	68
GGUP-237	36	36	36
GGUP-240	78.666667	78.666667	78.666667
GGUP-242	100	100	100
GGUP-241	84	84	84
GGUP-245	46.666667	46.666667	46.666667
GGUP-248	100	100	100
GGUT-P-24	100	100	100
GGUT-250	57.333333	57.333333	57.333333
GGUT-251	41.333333	41.333333	41.333333
GGUT-255	84	84	84
GGUP-258	30.666667	30.666667	30.666667