

<b>Academic Year</b>	<b>2018-19</b>
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**B.P.H.E. Society's  
Ahmednagar College, Ahmednagar  
Internal Quality Assurance Cell  
CO, PO, and PSO Attainment Sheet**

<b>Department Name</b>	<b>Geography</b>
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<b>Program Name</b>	<b>M.A./ M.Sc</b>
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<b>Program Outcomes(PO)</b>
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<b>PO1</b>	Will get knowledge of geographical terms, concepts, and theories and will be able to explain and find out the relation between geographical
<b>PO2</b>	Able to develop and prepare various thematic maps and map reading skills.
<b>PO3</b>	Will be able to understand and apply to collect geographical data through qualitative and quantitative techniques and will be able to ana
<b>PO4</b>	Will be able to communicate the results of the research in written form and oral communication
<b>PO5</b>	Will be able to understand and relate how their life is related to different geographical factors such as environmental, economic, social, a
<b>PO6</b>	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
<b>PO7</b>	Will be able to understand different concepts of sustainability, sustainable development goals, and how a man can use the physical enviro
<b>PO8</b>	Will acquire skills in interpretation of thematic maps through visual and/or digital interpretation of topographic maps, weather maps, aer
<b>PO9</b>	Will be able to apply knowledge of remote sensing concepts, and techniques in various fields of earth and environment sciences
<b>PO10</b>	Will be able to present the completed research through cartographic tools and other visual formats, with an explanation of research meth
<b>PO11</b>	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
<b>PO12</b>	Will be able to understand the geographical distribution of the global human population and factors affecting human populations includi

<b>Program Specific Outcome(PSO)</b>
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<b>PSO1</b>	Understand the nature and basic concept of Geomorphology, Climatology, Economic Geography, Population Geography, Settlement Ge
<b>PSO2</b>	Students will have acquired necessary communication skills to teach Geography in Colleges.
<b>PSO3</b>	Students will have acquired necessary skills for working in research institutes.

<b>Academic Year :</b>	<b>2018-19</b>
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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	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 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	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	2	3	3	3	2	3	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	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	2	3	
Semester No	I		CO2	3	3	2	3	2	3	3	2	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	
Course Outcomes			CO4	3	3	3	2	3	3	2	2	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	
Semester No	I		CO2	3	3	3	3	2	3	3	2	3	3	3	3	3	2	
Teacher Name	Mr. M.L. Karale		CO3	2	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	GGUT-122			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Coastal Geomorphology		CO1	2	3	3	2	2	3	3	3	3	2	3	3	3	3	3
Semester No	II		CO2	3	2	3	3	2	3	2	2	3	3	3	3	3	3	2
Teacher Name	Mr. Ajay V. Kakade		CO3															
Course Outcomes			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	GGUT-125			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Subject Name	Population Geography		CO1	3	3	3	2	3	3	3	2	2	2	3	3	3	3	3
Semester No	II		CO2	2	3	2	3	3	3	3	3	3	3	3	3	3	3	2
Teacher Name	Mrs. Rajani Pund		CO3															
Course Outcomes			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	3.00	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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<b>Academic Year :</b>	<b>2020-21</b>
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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	
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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	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	Program Outcomes												PSOs		
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Subject Code	GGUP-242	Outcomes	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
	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
	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

	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	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															
	CO2	They will understand the concept and types of Region as well as measurement of regional development.	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

<b>CO-PO ATTAINMENT</b>
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PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
0.843333	0.843333	0.92	0.843333333	0.766667	0.92	0.92	0.69	0.92	0.766667	0.92	0.92
0.6	0.6	0.533333	0.6	0.533333	0.6	0.6	0.466667	0.6	0.466667	0.6	0.6
0.92	0.92	0.843333	0.766666667	0.766667	0.843333	0.843333	0.613333	0.92	0.766667	0.92	0.92
0.817778	0.92	0.92	0.817777778	0.715556	0.92	0.92	0.715556	0.92	0.715556	0.92	0.92
0.92	0.92	0.92	0.613333333	0.613333	0.92	0.92	0.613333	0.92	0.613333	0.92	0.92
1.08	1.08	1.08	0.9	0.9	1.08	1.08	0.9	1.08	0.9	0.9	1.08
0.9	0.9	1.08	0.9	0.72	1.08	0.9	0.9	1.08	0.9	1.08	1.08
0.9	1.08	0.9	0.9	1.08	1.08	1.08	0.9	0.9	0.9	1.08	1.08
1.36	1.7	2.04	1.7	1.7	2.04	2.04	1.7	2.04	1.7	2.04	2.04
2.04	2.04	2.04	1.7	1.36	2.04	2.04	1.36	2.04	1.7	2.04	2.04
1.7	1.7	1.53	1.7	1.53	2.04	1.7	1.7	1.53	1.87	1.7	1.87
2.04	2.04	2.04	1.36	1.36	2.04	2.04	1.36	2.04	1.36	2.04	2.04
1.904	1.904	2.04	1.904	1.768	2.04	2.04	1.632	2.04	1.768	2.04	2.04
2.04	1.7	2.04	1.36	1.7	1.36	1.7	2.04	2.04	1.7	1.36	1.7
2.52	2.1	2.52	1.68	2.1	1.68	2.1	2.52	2.52	2.1	1.68	2.1
2.04	2.04	2.04	2.04	2.04	1.36	2.04	1.36	2.04	1.36	2.04	1.36
2.04	1.36	2.04	1.36	2.04	1.36	2.04	2.04	2.04	1.36	2.04	1.36
2.2	1.466667	2.2	1.466666667	2.2	1.466667	2.2	2.2	2.2	1.466667	2.2	1.466667
2.52	1.68	2.52	1.68	2.52	1.68	2.52	2.52	2.52	1.68	2.52	1.68
2.52	1.68	2.52	1.68	2.52	1.68	2.52	2.52	2.52	1.68	2.52	1.68
1.72	1.72	1.72	1.146666667	1.72	1.146667	1.72	1.72	1.72	1.146667	1.72	1.146667
1.136667	1.136667	1.24	1.136666667	1.033333	1.24	1.24	0.93	1.24	1.033333	1.24	1.24
1.102222	1.102222	1.102222	0.964444444	1.102222	0.964444	0.964444	1.102222	1.24	1.102222	0.964444	1.102222
0.92	0.817778	0.92	0.715555556	0.817778	0.715556	0.817778	0.92	0.92	0.817778	0.715556	0.817778
1.157333	1.157333	1.24	1.157333333	0.992	1.157333	1.157333	0.992	1.24	0.992	1.24	1.24
1.56	1.3	1.56	1.04	1.3	1.04	1.3	1.56	1.56	1.3	1.04	1.3

**Percentage CO-PO ATTAINMENT**

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
30.66667	30.66667	30.66667	30.66666667	30.66667	30.66667	30.66667	30.66667	30.66667	30.66667	30.66667	30.66667
20	20	20	20	20	20	20	20	20	20	20	20
30.66667	30.66667	30.66667	30.66666667	30.66667	30.66667	30.66667	30.66667	30.66667	30.66667	30.66667	30.66667
30.66667	30.66667	30.66667	30.66666667	30.66667	30.66667	30.66667	30.66667	30.66667	30.66667	30.66667	30.66667
30.66667	30.66667	30.66667	30.66666667	30.66667	30.66667	30.66667	30.66667	30.66667	30.66667	30.66667	30.66667
36	36	36	36	36	36	36	36	36	36	36	36
36	36	36	36	36	36	36	36	36	36	36	36
36	36	36	36	36	36	36	36	36	36	36	36
68	68	68	68	68	68	68	68	68	68	68	68
68	68	68	68	68	68	68	68	68	68	68	68
68	68	68	68	68	68	68	68	68	68	68	68
68	68	68	68	68	68	68	68	68	68	68	68
68	68	68	68	68	68	68	68	68	68	68	68
68	68	68	68	68	68	68	68	68	68	68	68
68	68	68	68	68	68	68	68	68	68	68	68
84	84	84	84	84	84	84	84	84	84	84	84
68	68	68	68	68	68	68	68	68	68	68	68
68	68	68	68	68	68	68	68	68	68	68	68
73.33333	73.33333	73.33333	73.33333333	73.33333	73.33333	73.33333	73.33333	73.33333	73.33333	73.33333	73.33333
84	84	84	84	84	84	84	84	84	84	84	84
84	84	84	84	84	84	84	84	84	84	84	84
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
41.33333	41.33333	41.33333	41.33333333	41.33333	41.33333	41.33333	41.33333	41.33333	41.33333	41.33333	41.33333
30.66667	30.66667	30.66667	30.66666667	30.66667	30.66667	30.66667	30.66667	30.66667	30.66667	30.66667	30.66667
41.33333	41.33333	41.33333	41.33333333	41.33333	41.33333	41.33333	41.33333	41.33333	41.33333	41.33333	41.33333
52	52	52	52	52	52	52	52	52	52	52	52

**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	0.92	0.843333	0.843333
GGUT-112	0.6	0.533333	0.533333
GGUT-113	0.843333	0.843333	0.843333
GGUT-114	0.92	0.817778	0.817778
GGUP-115	0.92	0.92	0.92
GGUT-121	1.08	1.08	0.9
GGUT-122	1.08	1.08	0.9
GGUT-125	1.08	1.08	0.9
GGUT-126	2.04	2.04	1.7
GGUT-129	2.04	2.04	1.7
GGUT-129	2.04	1.7	1.53
GGUP-130	2.04	2.04	2.04
GGUP-134	2.04	1.768	1.768
GGUP-235	1.7	2.04	2.04
GGUP-235	2.1	2.52	2.52
GGUP-237	1.36	2.04	2.04
GGUP-240	1.36	2.04	2.04
GGUP-242	1.466667	2.2	2.2
GGUP-241	1.68	2.52	2.52
GGUP-245	1.68	2.52	2.52
GGUP-248	1.146667	1.72	1.72
GGUT-P-249	1.24	1.136667	1.136667
GGUT-250	0.964444	1.102222	1.24
GGUT-251	0.817778	0.92	0.92
GGUT-255	1.157333	1.074667	1.074667
GGUP-258	1.3	1.56	1.56

Course	PSO1	PSO2	PSO3
GGUT-111	30.66667	30.66667	30.66667
GGUT-112	20	20	20
GGUT-113	30.66667	30.66667	30.66667
GGUT-114	30.66667	30.66667	30.66667
GGUP-115	30.66667	30.66667	30.66667
GGUT-121	36	36	36
GGUT-122	36	36	36
GGUT-125	36	36	36
GGUT-126	68	68	68
GGUT-129	68	68	68
GGUT-129	68	68	68
GGUP-130	68	68	68
GGUP-134	68	68	68
GGUP-235	68	68	68
GGUP-235	84	84	84
GGUP-237	68	68	68
GGUP-240	68	68	68
GGUP-242	73.33333	73.33333	73.33333
GGUP-241	84	84	84
GGUP-245	84	84	84
GGUP-248	57.33333	57.33333	57.33333
GGUT-P-24	41.33333	41.33333	41.33333
GGUT-250	41.33333	41.33333	41.33333
GGUT-251	30.66667	30.66667	30.66667
GGUT-255	41.33333	41.33333	41.33333
GGUP-258	52	52	52