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Jananayak Chandrashekhar University, Ballia

भूगोल-विभाग

DEPARTMENT OF GEOGRAPHY

Faculty of Science : M.A./M.Sc. Geography Syllabus 2022-23

Semester Based Syllabus

Programme Structure :- The Programme structure of Post-Graduation in Geography is as follows -

- The post-graduation programme in Geography of this University will comprise of four semesters.
- Every semester will have 5 (4 theory and 1 practical) papers of 4 credits each.
- In 1st or 2nd semester, the student will have to opt for a **minor elective paper** of 4 credits from a faculty other than his main faculty.
- In every semester, the student has to do a **research project** of 4 credits (thus, a total of 16 credits in 4 semesters) under the supervision of a supervisor as nominated by the head of the department.
- There may be a co-supervisor also from any industry, company, technical or research institute.
- These projects may be inter-disciplinary or multi-disciplinary and may be in the form of research project/industrial training/internship/survey work etc.
- The reports of the projects carried out in 1st and 2nd semesters will be compiled together and submitted in the form of one PROJECT REPORT at the end of first year. It will be evaluated out of 100 marks (8 credits) at the end of the first year jointly by the supervisor and the external examiner appointed by the University.
- Similarly, the reports of the projects carried out in 3rd and 4th semesters will also be compiled together and submitted in the form of another PROJECT REPORT at the end of the second year. It will also be evaluated out of 100 marks (8 credits) at the end of the second year jointly by the supervisor and the external examiner appointed by the University.

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- If a student publishes a research paper out of his research project in a UGC-CARE listed journal, he may be given up to 25 additional marks, provided the maximum marks of the project will remain 100. The marks of the research projects will be converted into grades that will be incorporated in the final calculation of CGPA too. The final result of M.A./M.Sc. (Geography) programme will be declared on the basis of CGPA.
- The courses to be taught in these semesters are given below.

Sem.	Paper	Teching Hours	Credit	Marks
1 st	i-GR501 : Geomorphology	60	4	100
	ii-GR502 : Advanced Geography of India	60	4	100
	iii-GR503: Economic Geography	60	4	100
	v-GR504 : Environmental Geography	60	4	100
	v-GR505 : Practical Work	60		-
	Part A : Cartographic Work -I	60	2	50
	Part B : Field Cum - Lab Work	60	2	50
	vi-GR506 : Project - 1	60	2	To be evaluated at the End of 2 nd Sem.
	One Minor Elective Paper (Subject) from other faculty in 1 st or 2 nd Semester	60	4	100
	Total		24	600
	i-GR507 : Climatology	60	4	100
	ii-GR508: Basics of Remote Sensing	60	4	100
	iii-GR509: Geography of Resources	60	4	100
	iv-GR510 : Disaster Management	60	4	100
	v-GR511 : Practical Work	60		-
	Part A : Cartographic Work - II	60	2	50
	Part B : Field Cum - Lab Work	60	2	50
	vi- GR512 : Porject - 2	60	2+2=4	(Project 1 + Project 2 in the form of Dissertation) 100
	Total		24	600
	Sub Grand Total of M.A./M.Sc. Previous-		48	1200

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3 rd	i-GR513 : Hydrology and Oceanography	60	4	100
	ii-GR514 : Geographic Information system (GIS) and Applications	60	4	100
	iii- GR515 : Students are required to opt. any <u>One</u> of the following	60	4	100
	GR515 A : Population Geography			
	GR 515 B : Urban Geography			
	GR515C : Transport Geograhy			
	iv-GR516 : Students are required to opt. any <u>One</u> of the following	60	4	100
	GR516 A : Geography of Rural Settlements			
	GR 516 B : Geography of Rural Development			
	GR 516 C : Industrial Geography			
	v-GR517 : Practical Work (Surveying)			
	vi-GR518 : Project - 3	60	4	100
		60	2	To be evaluated at the End of 4 th Sem.
	Total		20	500
4 th	i- GR519 : Geographical Thoughts	60	4	100
	ii-GR520 : Research Methods and Techniques	60	4	100
	iii- GR521 : Students are required to opt. any <u>One</u> of the following	60	4	100
	GR521A : Political Geography			
	GR 521B : Resource Planning			
	GR 521 C : Regional Development and Planning			
	iv- GR522 : Students are required to opt. any <u>One</u> of the following	60	4	100
	GR522 A : Geography of Tourism			
	GR522 B : Agricultural Geography			
	GR 522 C : Population and Development			
	v- GR523 : Project Work and Study Tour (Geographical)	60	4	100
	vi- GR524 : Project -4	60	2+2=4	(Project 3 + Project 4 in the form of Dissertation) 100
	Total		24	600
	Grand Total		100	2300

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Minor Elctive Paper of Geography

Teaching Hours 60
Credit-4,
Marks-100

Unit-I- Interior of the earth, Rocks, mountain and plateau, volcano, Earthquakes, Atmosphere, Insolation and Temperature, Air pressure and wind circulation, cyclone, Humidity, Salinity, Coral Reefs, Tides and ocean currents.

इकाई-1 पृथ्वी की आंतरिक संरचना, चट्टानें, पर्वत एवं पठार, ज्वालामुखी, भूकम्प, वायुमण्डल, सूर्यतप एवं तापमान, वायुदाब एवं पवन परिसंचरण, चक्रवात, आर्द्रता, लवणता, प्रवाल भित्तियाँ, ज्वार भाटा एवं समुद्री धाराएँ।

Unit-II- Physical Regions of India, Climate, soil, Vegetation, Industries-Iron & Steel industry, Textile Industry, Sugarcane Industry, Transportation. (Special reference of India)

इकाई-2 भारत के भौतिक प्रदेश, जलवायु, मिट्टी, वनस्पति, उद्योग-लौह इस्पात उद्योग, वस्त्र उद्योग, चीनी उद्योग एवं परिवहन (भारत के विशेष सन्दर्भ में)

Unit-III- Man and Environment Relationship, Human Tribes-Santhal, Eskimo, Population Distribution of the world, Economic Activities, Mineral and power resources of The World.

इकाई-3 मानव एवं पर्यावरण अन्तर्सम्बन्ध, मानव जनजातियाँ-संथाल, एस्कीमो, विश्व में जनसंख्या वितरण, आर्थिक क्रियाएँ, विश्व के खनिज एवं ऊर्जा संसाधन।

Unit-IV- Concept of Ecosystem and Ecology, Ecological Pyramid, Pollutions-Air, Water and Noise, Solid waste Disposal, Ecological Development and Environment Management.

इकाई-4 पारिस्थैतिकी एवम् पारिस्थैतिकी तंत्र की संकल्पना, पारिस्थैतिकी पिरामिड, प्रदूषण-वायु प्रदूषण, जल प्रदूषण, ध्वनि प्रदूषण, ठोस अपशिष्ट निस्तारण, पारिस्थैतिकी विकास एवं पर्यावरण प्रबंधन।

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संकायाध्याय

Minor Elctive Paper of Geography

Teaching Hours 60
Credit-4,
Marks-100

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