



પરિપત્ર:

ભક્તકવિ નરસિંહ મહેતા યુનિવર્સિટીની હ્યુમનીટીસ વિદ્યાશાખાનાં અભ્યાસક્રમ ચલાવતી તમામ સંલગ્ન કોલેજોનાં આચાર્યશ્રીઓને સવિનય જણાવવાનું કે હ્યુમનીટીસ વિદ્યાશાખા હેઠળનો NEP-૨૦૨૦ અંતર્ગતનો ભુગોળ વિષયનો સેમેસ્ટર-૫નો અભ્યાસક્રમ આ સાથે સામેલ છે.

માનનીય કુલપતિશ્રીની મંજૂરી અનુસાર સદર અભ્યાસક્રમ શૈક્ષણિક વર્ષ જુન, ૨૦૨૫ થી અમલવારી કરવાની રહે છે. હ્યુમનીટીસ વિદ્યાશાખાનાં અભ્યાસક્રમ ચલાવતી તમામ સંલગ્ન કોલેજો ધ્વારા તેની અમલવારી કરવા જણાવવામાં આવે છે.




૨૫/૬/૨૦૨૫
ખાસ ફરજ પરના અધિકારી
(એકેડેમિક)

ક્રમાંક/બીકેએનએમયુ/એકેડેમિક/૩૦૪/૨૦૨૫

ભક્તકવિ નરસિંહ મહેતા યુનિવર્સિટી,

સરકારી પોલીટેકનિક કેમ્પસ,

ભક્તકવિ નરસિંહ મહેતા યુનિવર્સિટી રોડ,

ખડીયા, જૂનાગઢ-૩૬૨૨૬૩

તા.૨૫/૦૬/૨૦૨૫

પ્રતિ,

- ભક્તકવિ નરસિંહ મહેતા યુનિવર્સિટી સંલગ્ન હ્યુમનીટીસ વિદ્યાશાખાનાં અભ્યાસક્રમો ચલાવતી તમામ કોલેજોના આચાર્યશ્રીઓ તરફ....

નકલ સાદર રવાના:-

- માન.કુલપતિશ્રી/કુલસચિવશ્રીનાં અંગત સચિવશ્રી.
- પરીક્ષા નિયામકશ્રી, ભક્તકવિ નરસિંહ મહેતા યુનિવર્સિટી, જુનાગઢ

નકલ રવાના જાણ તથા યોગ્ય કાર્યવાહી અર્થે:

- સીસ્ટમ મેનેજરશ્રી, આઇ.ટી.સેલ વિભાગ (વેબસાઇટ ઉપર પ્રસિદ્ધ થવા અર્થે.)



BHAKTA KAVI NARSINH MEHTA UNIVERSITY
JUNAGADH



FACULTY OF HUMANITIES
SYLLABUS FOR GEOGRAPHY
(SEMESTER- V)
EFFECTIVE FROM JUNE, 2025

BHAKTA KAVI NARSINH MEHTA UNIVERSITYSyllabus of **Geography** (Honors) as per NEP-2020Faculty of **Humanities**

Effective from June 2025

Subject: Geography**SEMESTER- V****SUMMARY OF THE SYLLABUS**

Sem No.	Sr. No.	Category of Course	Course Title	Course Level	Credit	Teaching Hrs.	SEE Marks	CCE Marks	Total Marks	Exam Duration
Sem-5	1	Major-11	Geographical Knowledge in ancient India	5.5	4	60	50	50	100	2:00 Hours
	2	Major-12	Resource Geography	5.5	4	60	50	50	100	2:00 Hours
	3	Major-13	Map Projection and Remote Sensing – GIS (Theory + Practical)	5.5	4	60	50	50	100	2:00 Hours
	4	Minor-04	Introduction to Oceanography	5.5	4	60	50	50	100	2:00 Hours
	5	Minor-05	Introduction to Environmental Geography	5.5	4	60	50	50	100	2:00 Hours
				Total	20					

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Effective from June 2025

Subject: Geography**SEMESTER- V**

Course Level	5.5	Internal Marks	50
Programme	Geography	External Marks	50
Semester	05	Practical Internal	--
Category of Course	MAJOR – 11	Practical External	--
Course Credit	4	Prac. External Exam Duration	--
Teaching Hours	60	Total	100
Course Code		Exam Duration	2:00 Hours
Course Title	Geographical Knowledge in ancient India		

Course Objectives:

- The objective of this paper is to provide an overview of ancient Indian Geographical Knowledge and its interface with geography.
- The objective of this course is to provide an understanding of the current reality of approaches of Geography usage and geography;

Course Learning Outcomes: After completion of the course:

- Develop an understanding of the Cosmology.
- Understand and Characteristic of Vedic Age geographical knowledge.

Course Contents

Sem	Unit No.	Syllabus	Teaching Hours
5	1	Geographical thought in Ancient India • From the Rigvedic period to the early Purana period • The Vedic Age • The Great Age of Epics • Geographers of ancient India: Aryabhatta, Varahamihira, Bhaskaracharya, Kalidas and others	15
	2	Geographical Contributions in Ancient India - Astronomical Knowledge • Cosmology • Types of origin of the universe (Artistic – Mechanical – Philosophical – Instrumental) • Creation and destruction of the universe • Shape and Extent of Universe • Solar system and the sun • Earth and Moon	15

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	3	Geographical Contributions in Ancient India - Physical Geography • Landmasses and seas • Mountains and mountain system • River system	15
	4	Geographical Contributions in Ancient India - Human Geography • Rural and urban Settlement • Agriculture and animal husbandry, • Industry and business. • Trade and commerce • Relations with other regions Political relations	15

Suggested Reading:

1. Abler, R., Almae, J., and Guld P. 1972, Spatial Organization-Prentice Hall.
2. Ackerman, E. A., 1965. The Science of Geography, Washington.
3. Ali, S. M., The Geography of Paranas. Aligarh.
4. Banbary, E. H., 1883. A History of Aneieat Geography, Methuen, London.
5. Davies, W. K., 1972. Conceptual Revolution in Geography, London.
6. Dickinson, R. E., 1969, The Makers of Modern Geography, Routlege and Kegan Paul, London.
7. Freeman, T. W., 1961, A Hundred Years of Geography, London.
8. Harvey D., 1969, Explanation in Geography, Arnold.
9. Harvey, M.E. and Holly, B. P. 1983, Themes in Geographic Thought, London.
10. Chorley and Haggett, (eds.) 1967, Models in Geography, Methuen, London.
11. Wooldridge, S. W. 1951. The Geographer as scientist, T. Nelson, London.
12. Board, C. and other; 1959, Progress in Geography, vol. I to IX, Edward Arnold, London.
13. Majid Hussin, 1990, Evolution of Geographical Thought, (If Edition), Rawat Publications, Jaipur

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Effective from June 2025

Subject: Geography**SEMESTER- V**

INTERNAL EVALUATION SCHEME		
NO	Particulars	Marks
1	Mid Semester Exam (Mandatory)	25
2	Class Test	05
3	Open book exam/test	05
4	Open note exam/test	05
5	Self-test/ Online test	05
6	Essay/Article writing	05
7	Quizzes/Objective test	05
8	Class assignment	05
9	Home assignment	05
10	Reports Writing	05
11	Research/Dissertation	05
12	Case Studies	05
13	Viva/Oral exam	05
14	Group Discussion	05
15	Role Play	05
16	Paper presentation/Seminar	05
17	Language Lab work	05
18	Interview	05
19	Craft work	05
20	Co-curricular work	05
21	Field Assignment	05
22	Poster Presentation	05
23	Attendance	05
24	Project Work	05
	Total	50

Note: Sr.No.1 is mandatory. Select any five from Sr.No.2 to 24.**Each Contains five marks. Student should secure 18 Marks for passing in internal Exam.**

BHAKTA KAVI NARSINH MEHTA UNIVERSITYSyllabus of **Geography** (Honors) as per NEP-2020Faculty of **Humanities**

Effective from June 2025

Subject: Geography**SEMESTER- V****Paper Style:**

EXTERNAL ASSESSMENT BY UNIVERSITY		50 Marks
Que. No.	Particulars	Marks
Que. 1	(A) Essay Type Question (From Unit-1)	(10)
	OR	
	(B) Essay Type Question (From Unit-1)	
Que. 2	(A) Essay Type Question (From Unit-2)	(10)
	OR	
	(B) Essay Type Question (From Unit-2)	
Que. 3	(A) Essay Type Question (From Unit-3)	(10)
	OR	
	(B) Essay Type Question (From Unit-3)	
Que. 4	(A) Essay Type Question (From Unit-4)	(10)
	OR	
	(B) Essay Type Question (From Unit-4)	
Que. 5	Short Notes. (2/4) (One from each unit)	(10)

BHAKTA KAVI NARSINH MEHTA UNIVERSITYSyllabus of **Geography** (Honors) as per NEP-2020Faculty of **Humanities**

Effective from June 2025

Subject: Geography**SEMESTER- V**

Course Level	5.5	Internal Marks	50
Programme	Geography	External Marks	50
Semester	05	Practical Internal	--
Category of Course	MAJOR – 12	Practical External	--
Course Credit	4	Prac. External Exam Duration	--
Teaching Hours	60	Total	100
Course Code		Exam Duration	2:00 Hours
Course Title	Resource Geography		

Course Objectives:

- The objective of this paper is to provide an overview of resource geography and its interface with environment.
- The course aims to provide an understanding of the existing reality of resource utilization and environmental depletion; further aims to sensitize the students to the concept of sustainable resource use and sustainable development.

Course Learning Outcomes: After completion of the course:

- Develop an understanding of the Resource, Approaches and Relationship with other sciences
- Understand and Characteristic of water and mineral resource.
- Understanding the types of biotic, animal and power resource.

Course Contents

Sem	Unit No.	Syllabus	Teaching Hours
5	1	• Meaning of Resource and Resource Geography • Nature and Scope of Resource Geography • Approaches of the study of Resource Geography • Relationship of Resource Geography with other sciences • Functional or operational concept of Resource • Resource creating factors	15
	2	• Classification of Resources • Water resource – Hydrological Cycle - Inland Water Resources - Oceanic Water Resources • Mineral Resources – Understanding of Non-Metallic and Metallic mineral - Iron and Manganese mineral Production and importance	15

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	3	• Biotic Resource – Factors of Vegetating Growth - Types of natural Vegetation - Importance of Vegetation for humans • Animal Resources – Use of Animal Resources - Dairy Farming - Fishery	15
	4	• Power Resources – Use of Power Resources - Coal and Petroleum Production and importance • Human Resources - Importance and Distribution of Population - Population Resource Region • Conservation or Resources – Need and Problem of Conservation - Main Resources of Conservation	15

Suggested Reading:

1. Mongu and Agrwal: World resources and Trade National Publishing House Delhi.
2. Zimmermans; World resources and Industries (Harper)
3. N. S. Rathore: Non-Conventional Energy Sources – (Himanshu Publication, Udaipur)
4. Matter. J. R.: Water resources distribution and management (John wiley marylane 1984)
5. Kates R. W. and Burton I.(ed): Geography of Resources and Environment (Ottowa – 1980)
6. Mc Lren D. J. and Skinnet B. J. (eds): Resources and World Development (John wiley & Sons. New York 1986)
7. Owen. S & Owens. P.L.: Environment Resources & Conservation (Cambridge University Proess New youk 1991)
8. Simmons, I. G. Ecology of Natural Resources (Ed ward Arnold, London-1974)

BHAKTA KAVI NARSINH MEHTA UNIVERSITYSyllabus of **Geography** (Honors) as per NEP-2020Faculty of **Humanities**

Effective from June 2025

Subject: Geography**SEMESTER- V**

INTERNAL EVALUATION SCHEME		
NO	Particulars	Marks
1	Mid Semester Exam (Mandatory)	25
2	Class Test	05
3	Open book exam/test	05
4	Open note exam/test	05
5	Self-test/ Online test	05
6	Essay/Article writing	05
7	Quizzes/Objective test	05
8	Class assignment	05
9	Home assignment	05
10	Reports Writing	05
11	Research/Dissertation	05
12	Case Studies	05
13	Viva/Oral exam	05
14	Group Discussion	05
15	Role Play	05
16	Paper presentation/Seminar	05
17	Language Lab work	05
18	Interview	05
19	Craft work	05
20	Co-curricular work	05
21	Field Assignment	05
22	Poster Presentation	05
23	Attendance	05
24	Project Work	05
	Total	50

Note: Sr.No.1 is mandatory. Select any five from Sr.No.2 to 24.**Each Contains five marks. Student should secure 18 Marks for passing in internal Exam.**

BHAKTA KAVI NARSINH MEHTA UNIVERSITYSyllabus of **Geography** (Honors) as per NEP-2020Faculty of **Humanities**

Effective from June 2025

Subject: Geography**SEMESTER- V****Paper Style:**

EXTERNAL ASSESSMENT BY UNIVERSITY		50 Marks
Que. No.	Particulars	Marks
Que. 1	(A) Essay Type Question (From Unit-1)	(10)
	OR	
	(B) Essay Type Question (From Unit-1)	
Que. 2	(A) Essay Type Question (From Unit-2)	(10)
	OR	
	(B) Essay Type Question (From Unit-2)	
Que. 3	(A) Essay Type Question (From Unit-3)	(10)
	OR	
	(B) Essay Type Question (From Unit-3)	
Que. 4	(A) Essay Type Question (From Unit-4)	(10)
	OR	
	(B) Essay Type Question (From Unit-4)	
Que. 5	Short Notes. (2/4) (One from each unit)	(10)

BHAKTA KAVI NARSINH MEHTA UNIVERSITYSyllabus of **Geography** (Honors) as per NEP-2020Faculty of **Humanities**

Effective from June 2025

Subject: Geography**SEMESTER- V**

Course Level	5.5	Internal Marks	25
Programme	Geography	External Marks	50
Semester	05	Practical Internal	25
Category of Course	MAJOR – 13	Practical External	--
Course Credit	4	Prac. External Exam Duration	--
Teaching Hours	60	Total	100
Course Code		Exam Duration	2:00 Hours
Course Title	Map Projection and Remote Sensing – GIS (Theory + Practical)		

Course Objectives:

- The objective of this paper is to provide an overview of map projection and its interface with geography.
- The objective of this course is to provide an understanding of the current reality of Remote Sensing - GIS usage and geography;

Course Learning Outcomes: After completion of the course:

- Develop an understanding of the map projection
- Understand and Characteristic of GIS.
- Understanding the types of stages, remote Sensing.

Course Contents

Sem	Unit No.	Syllabus	Teaching Hours
5	1	Map Projection • Definition, Great circles, Classifications on different basis, Merits, demerits & uses • Zenithal (Polar): Gnomonic, Stereographic, Orthographic, Equal Areas • Cylindrical: Equal Area & Equidistant • Conical: One standard & Two Standard parallel	15
	2	Map Projection • Zenithal (Equatorial): Gnomonic, Stereographic, Orthographic • Cylindrical: Mercator's • Conical: Bonne's and Polyconic	15

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Subject: Geography**SEMESTER- V**

	3	Remote Sensing • Definition of Remote sensing Principles of Remote Sensing, • Types of platforms and sensors. • Data reception, Data processing & Data generation, • Ground Investigation in support of Remote sensing. • Visual Image Interpretation,	15
	4	GIS • Definition and Philosophy of GIS • Historical evolution of GIS • Components of GIS, • Function of GIS • GIS Operations • Use and applications of GIS	15

Suggested Reading:

1. Balchin W.C.V. and Richards AW. (1952) Practical and Experimental Geography, Metnnen, Landon
2. Karnetkar T.P and Skulkarni S. U. (1988) Surveying and Leveling Pune.
3. Misra R.P. and romesh A. (1989) Fandamental of car
4. Monkhouse - Maps and diagrams Methuen 1971.
5. Negi, Balbir Singh. Practical Geography Third revised Ed. Kedar Nath and Ram Nath, Meerut &Delhi, 1994-95.
6. Sandover,J.A. Plane Surveying. Arnold 1961.
7. Singh & Karanjta - Map work and Practical Geography Central Book Dept Allahabad 1972.
8. Singh, R.L.and Dutt, P.K. Elements of Practical Geography, Students Friends.
9. Floyd, F. Sabins, Jr: Remote Sensing Principles and Interpretation, Freeman and Co., San Franscisco, 1978.
10. Illesand and Kiefere: Remote Sensing and Image interpretation, John qwiley, 1987.
11. Manual of Remote Sensing Vol. I&II, 2nd Edition, American Society of Photogrammetry.

BHAKTA KAVI NARSINH MEHTA UNIVERSITYSyllabus of **Geography** (Honors) as per NEP-2020Faculty of **Humanities**

Effective from June 2025

Subject: Geography**SEMESTER- V**

INTERNAL EVALUATION SCHEME		
NO	Particulars	Marks
1	Mid Semester Exam (Mandatory)	25
2	Class Test	05
3	Open book exam/test	05
4	Open note exam/test	05
5	Self-test/ Online test	05
6	Essay/Article writing	05
7	Quizzes/Objective test	05
8	Class assignment	05
9	Home assignment	05
10	Reports Writing	05
11	Research/Dissertation	05
12	Case Studies	05
13	Viva/Oral exam	05
14	Group Discussion	05
15	Role Play	05
16	Paper presentation/Seminar	05
17	Language Lab work	05
18	Interview	05
19	Craft work	05
20	Co-curricular work	05
21	Field Assignment	05
22	Poster Presentation	05
23	Attendance	05
24	Project Work	05
	Total	50

Note: Sr.No.1 is mandatory. Select any five from Sr.No.2 to 24.**Each Contains five marks. Student should secure 18 Marks for passing in internal Exam.**

INTERNAL EVALUATION SCHEME (PRACTICAL)		
NO	Particulars	Marks
1	Practical Exam	25

BHAKTA KAVI NARSINH MEHTA UNIVERSITYSyllabus of **Geography** (Honors) as per NEP-2020Faculty of **Humanities**

Effective from June 2025

Subject: Geography**SEMESTER- V****Paper Style:**

EXTERNAL ASSESSMENT BY UNIVERSITY		50 Marks
Que. No.	Particulars	Marks
Que. 1	(A) Essay Type Question (From Unit-1)	(10)
	OR	
	(B) Essay Type Question (From Unit-1)	
Que. 2	(A) Essay Type Question (From Unit-2)	(10)
	OR	
	(B) Essay Type Question (From Unit-2)	
Que. 3	(A) Essay Type Question (From Unit-3)	(10)
	OR	
	(B) Essay Type Question (From Unit-3)	
Que. 4	(A) Essay Type Question (From Unit-4)	(10)
	OR	
	(B) Essay Type Question (From Unit-4)	
Que. 5	Short Notes. (2/4) (One from each unit)	(10)

BHAKTA KAVI NARSINH MEHTA UNIVERSITYSyllabus of **Geography** (Honors) as per NEP-2020Faculty of **Humanities**

Effective from June 2025

Subject: Geography**SEMESTER- V**

Course Level	5.5	Internal Marks	50
Programme	Geography	External Marks	50
Semester	05	Practical Internal	--
Category of Course	MINOR – 04	Practical External	--
Course Credit	4	Prac. External Exam Duration	--
Teaching Hours	60	Total	100
Course Code		Exam Duration	2:00 Hours
Course Title	Introduction to Oceanography		

Course Objectives:

- To provide the basic conceptual framework of oceanography, its dynamism and the
- contemporary issues associated with Oceans.

Course Learning Outcomes: After completion of the course:

- Develop an understanding of the ocean bottom relief features of Indian, Atlantic and Pacific Ocean
- Understand and Characteristic of Ocean Water, Temperature- and its Distribution, Salinity
- instruments.
- Understanding the types of marine deposition and its relation with man

Course Contents

Sem	Unit No.	Syllabus	Teaching Hours
5	1	Geomorphological Oceanography • Oceanography (Subject matter, Development and Significance) • Characteristics and Distribution of Land water, • Ocean Bottom Topography	15
	2	Physical and Chemical Oceanography • Characteristic of Ocean Water, • Temperature and its Distribution, • Salinity - Composition, Source, Factors and Distribution • Ocean Deposits - Types and Distribution	15
	3	Movement of Ocean Water • Currents - Causes and Characteristics (Pacific, Atlantic, Indian) • Waves – Types and Distribution • Tides – Theories of Origin	15

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Subject: Geography**SEMESTER- V**

	4	Biological Oceanography • Marine Ecosystems - Challenges to Sustainability of Marine Ecosystems • Coral Reef - (Formation, Condition of Growth, Types, Theories of Origin) • Mangrove • Human actions and the Oceans,	15
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Suggested Reading:

1. Sharma, R.C. and Vatal, M. (2018): Oceanography for Geographers, Surjeet Publications, New Delhi.
2. Singh, Savindra (2020): Biogeography, Pravalika Publications, Allahabad.
3. Garrison, Tom (2011): Essentials of Oceanography, 6th Edition, Book / Cole, California.
4. Khullar, D.R (2019): Physical Geography, Kalyani Publishers, Ludhiana.
5. Singh, Savindra (2021): Oceanography, Pravalika Publications, Allahabad.
6. Lal, D.S. (2015): Climatology and Oceanography, Sharda Pustak Bhawan, Allahabad.
7. Pinet, Paul R. (2019): Invitation to Oceanography; 8th Edition, Jones and Bartlett.

BHAKTA KAVI NARSINH MEHTA UNIVERSITYSyllabus of **Geography** (Honors) as per NEP-2020Faculty of **Humanities**

Effective from June 2025

Subject: Geography**SEMESTER- V**

INTERNAL EVALUATION SCHEME		
NO	Particulars	Marks
1	Mid Semester Exam (Mandatory)	25
2	Class Test	05
3	Open book exam/test	05
4	Open note exam/test	05
5	Self-test/ Online test	05
6	Essay/Article writing	05
7	Quizzes/Objective test	05
8	Class assignment	05
9	Home assignment	05
10	Reports Writing	05
11	Research/Dissertation	05
12	Case Studies	05
13	Viva/Oral exam	05
14	Group Discussion	05
15	Role Play	05
16	Paper presentation/Seminar	05
17	Language Lab work	05
18	Interview	05
19	Craft work	05
20	Co-curricular work	05
21	Field Assignment	05
22	Poster Presentation	05
23	Attendance	05
24	Project Work	05
	Total	50

Note: Sr.No.1 is mandatory. Select any five from Sr.No.2 to 24.**Each Contains five marks. Student should secure 18 Marks for passing in internal Exam.**

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Effective from June 2025

Subject: Geography**SEMESTER- V****Paper Style:**

EXTERNAL ASSESSMENT BY UNIVERSITY		50 Marks
Que. No.	Particulars	Marks
Que. 1	(A) Essay Type Question (From Unit-1)	(10)
	OR	
	(B) Essay Type Question (From Unit-1)	
Que. 2	(A) Essay Type Question (From Unit-2)	(10)
	OR	
	(B) Essay Type Question (From Unit-2)	
Que. 3	(A) Essay Type Question (From Unit-3)	(10)
	OR	
	(B) Essay Type Question (From Unit-3)	
Que. 4	(A) Essay Type Question (From Unit-4)	(10)
	OR	
	(B) Essay Type Question (From Unit-4)	
Que. 5	Short Notes. (2/4) (One from each unit)	(10)

BHAKTA KAVI NARSINH MEHTA UNIVERSITYSyllabus of **Geography** (Honors) as per NEP-2020Faculty of **Humanities**

Effective from June 2025

Subject: Geography**SEMESTER- V**

Course Level	5.5	Internal Marks	50
Programme	Geography	External Marks	50
Semester	05	Practical Internal	--
Category of Course	MINOR – 05	Practical External	--
Course Credit	4	Prac. External Exam Duration	--
Teaching Hours	60	Total	100
Course Code		Exam Duration	2:00 Hours
Course Title	Introduction to Environmental Geography		

Course Objectives:

- The objective of this paper is to provide an overview of environment and its interface with geography.
- The objective of this course is to provide an understanding of the current reality of environment and geography;

Course Learning Outcomes: After completion of the course:

- Develop an understanding of the ecosystem
- Understand and Characteristic of pollutions.
- Understanding the types of energy resources.

Course Contents

Sem	Unit No.	Syllabus	Teaching Hours
5	1	Introduction to Environment • Meaning and Concept • Types of Environments: Natural (Physical) and Cultural Introduction to Environmental Geography • Meaning, Concept and Definitions • Nature and Scope	15
	2	Ecosystem • Meaning and Concept of Ecosystem • Structure – Components (Abiotic – Biotic) • Nutrient Cycling (Carbon Cycle - Nitrogen Cycle) • Energy Flow (Food Chain - Food Web) • Types of Ecosystems (Forest Ecosystem - Desert Ecosystem - Marine Ecosystem)	15

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	3	Pollutions • Environmental pollutions Meaning and Definitions • Types of pollutions (air, water, land, and noise) • Pollutions awareness and education	15
	4	Energy Resources • Energy resources Definition and Types • Conventional Energy Resources (Coal and Mineral Oil) Types, Uses, Environmental Problems • Non-conventional Energy Resources (Hydel - Wind - Solar) with merits and demerits	15

Suggested Reading:

1. Botkin D. B. and Keller Ea - Environmental Studies - Merrill publishing Company Columbus.
2. Dikshit R. D. - Geography and Teaching of the environment in Geography - Pune.
3. Bleton C - Natural Hazards and globla change - Tc Journal- 1989
4. Park CC - Ecology and Environmental Management - London.
5. Zimmermann, Erich, W: World Resources and Industries. A functional Appraisal of the Availability of Agricultural and Industrial Materials, Harper and Row, New York, 1961
6. Singh, Savindra: Environmental Geography, Prayag Pustak Bhawan, Allahabad, 1997.
7. Gautam, A: Environmental Geography, Sharda Pustak Bhawan, Allahabad, 2007
8. Park, Chris C.: Ecology and Environmental Management; A Geographical Perspective, Butterworths, London, 1981.

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INTERNAL EVALUATION SCHEME		
NO	Particulars	Marks
1	Mid Semester Exam (Mandatory)	25
2	Class Test	05
3	Open book exam/test	05
4	Open note exam/test	05
5	Self-test/ Online test	05
6	Essay/Article writing	05
7	Quizzes/Objective test	05
8	Class assignment	05
9	Home assignment	05
10	Reports Writing	05
11	Research/Dissertation	05
12	Case Studies	05
13	Viva/Oral exam	05
14	Group Discussion	05
15	Role Play	05
16	Paper presentation/Seminar	05
17	Language Lab work	05
18	Interview	05
19	Craft work	05
20	Co-curricular work	05
21	Field Assignment	05
22	Poster Presentation	05
23	Attendance	05
24	Project Work	05
	Total	50

Note: Sr.No.1 is mandatory. Select any five from Sr.No.2 to 24.**Each Contains five marks. Student should secure 18 Marks for passing in internal Exam.**

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Subject: Geography**SEMESTER- V****Paper Style:**

EXTERNAL ASSESSMENT BY UNIVERSITY		50 Marks
Que. No.	Particulars	Marks
Que. 1	(A) Essay Type Question (From Unit-1)	(10)
	OR	
	(B) Essay Type Question (From Unit-1)	
Que. 2	(A) Essay Type Question (From Unit-2)	(10)
	OR	
	(B) Essay Type Question (From Unit-2)	
Que. 3	(A) Essay Type Question (From Unit-3)	(10)
	OR	
	(B) Essay Type Question (From Unit-3)	
Que. 4	(A) Essay Type Question (From Unit-4)	(10)
	OR	
	(B) Essay Type Question (From Unit-4)	
Que. 5	Short Notes. (2/4) (One from each unit)	(10)