



પરિપત્ર:

ભક્તકવિ નરસિંહ મહેતા યુનિવર્સિટીની આર્ટસ વિદ્યાશાખાનાં અભ્યાસક્રમ ચલાવતી તમામ સંલગ્ન કોલેજોનાં આચાર્યશ્રીઓને સવિનય જણાવવાનું કે આર્ટસ વિદ્યાશાખા હેઠળનો NEP-૨૦૨૦ અંતર્ગતનો ભુગોળ વિષયનો (બી.એ વિથ ઓનર્સ) નો સેમેસ્ટર-૩નો અભ્યાસક્રમ આ સાથે સામેલ છે.

માનનીય કુલપતિશ્રીની મંજૂરી અનુસાર સદર અભ્યાસક્રમ શૈક્ષણિક વર્ષ જુન, ૨૦૨૬ થી અમલવારી કરવાની રહે છે. આર્ટસ વિદ્યાશાખાનાં અભ્યાસક્રમ ચલાવતી તમામ સંલગ્ન કોલેજો ધ્વારા તેની અમલવારી કરવા જણાવવામાં આવે છે.

નોંધ: બીકેએનએમયુ/એકેડેમિક/૧૨૦૩/૨૦૨૪ તા.૦૩/૦૮/૨૦૨૪નાં અભ્યાસક્રમમાં સેમ-૦૩ હેઠળ MAJOR-૦૭નાં “COURSE CONTENTS”માં સુધારો કરવામાં આવેલ છે અન્ય અભ્યાસક્રમમાં કોઈ ફેરફાર કરવામાં આવેલ નથી.



ક્રમાંક/બીકેએનએમયુ/એકેડેમિક/૧૨૪૮/૨૦૨૬

ભક્તકવિ નરસિંહ મહેતા યુનિવર્સિટી,

સરકારી પોલીટેકનિક કેમ્પસ,

ભક્તકવિ નરસિંહ મહેતા યુનિવર્સિટી રોડ,

ખડીયા, જૂનાગઢ-૩૬૨૨૬૩

તા.૨૮/૦૪/૨૦૨૬

પ્રતિ,

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

નકલ સાદર રવાના:-

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

નકલ રવાના જાણ તથા યોગ્ય કાર્યવાહી અર્થે:

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



BHAKTA KAVI NARSINH MEHTA UNIVERSITY JUNAGADH



SYLLABUS FOR GEOGRAPHY BACHELOR OF ARTS (HONOURS) PROGRAMME (SEMESTER- III) MAJOR/MINOR/MULTIDISCIPLINARY EFFECTIVE FROM JUNE, 2026

BHAKTA KAVI NARSINH MEHTA UNIVERSITY
Syllabus of B.A. (Honors) as per NEP-2020
Faculty of Arts
Effective from June 2026
Subject: Geography
SEMESTER- III

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-3	1	Major-5	Fundamentals of Climatology	5.0	4	60	50	50	100	2:00 Hours
	2	Major-6	Physical Geography of India	5.0	4	60	50	50	100	2:00 Hours
	3	Major-7	Meteorological Instruments and Analysis of Indian Daily Weather Report	5.0	4	60	50	50	100	2:00 Hours
	4	MDC-3	Basic of Human Geography	5.0	4	60	50	50	100	2:00 Hours
				Total	16					

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Subject: Geography**SEMESTER- III**

Course Level	5.0		Internal Marks	50
Programme	B. A.		External Marks	50
Semester	03		Practical Internal	--
Category of Course	MAJOR – 5		Practical External	--
Course Credit	4		Prac. External Exam Duration	--
Teaching Hours	60		Total	100
Course Code			Exam Duration	2.00 Hours
Course Title	Fundamentals of Climatology			

Course Objectives:

- The aim of the course is to provide an understanding of weather phenomena; dynamics of global climates and generation of climatic information and their application

Course Learning Outcomes: After completion of the course:

- Understand the elements of weather and climate and its impacts at different scales.
- Comprehend the climatic aspects and its bearing on planet earth.
- Understand the oceanic process and availability of resources.

Course Contents

Sem	Unit No.	Syllabi	Teaching Hours
3	1	• Meaning, Subject matter, Branches of Climatology • Weather and Climate • Origin, Composition and Structure of Atmosphere	15
	2	• Insolation, Heat -Balance of the Earth. • Distribution of temperature -Temporal, Vertical & Horizontal • Distribution of Atmosphere Pressure, Pressure Belts, Inversion of Temperature	15
	3	• Winds and their Types – General Circulation Pattern • Jet Stream,	

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		Atmospheric Moisture (Humidity)-Source, Influencing Factors and Types	15
	4	- Clouds & Precipitation - Temperate & Tropical Cyclones - Global Climatic Change, Greenhouse Effects and Global Warming	15

Suggested Reading:

1. B.S. Negi (1993) Physical Geography. S.J. Publication, Meerut
2. D.S. Lal (1998) Climatology. Chaitnya publishing house, Allahabad
3. K. Siddhartha (2001) Atmosphere, Weather and Climate. Kishorey publication, New Delhi
4. R.N. Tikka (2002) Physical Geography. Kedarnath Ramnath & co, Meerut
5. William D. Thornbury (1997) Principle of Geomorphology. New Age International (Pvt Ltd.) New Delhi.
6. Mohan. K (2018), GES PERIODOS VOL 1, An Ultimate Guide to Physical Geography, Oak BridgePublication, New Delhi.

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

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Subject: Geography**SEMESTER-III**

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.

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)

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Subject: Geography**SEMESTER-III**

Course Level	5.0	Internal Marks	50
Programme	B. A.	External Marks	50
Semester	03	Practical Internal	--
Category of Course	MAJOR – 6	Practical External	--
Course Credit	4	Prac. External Exam Duration	--
Teaching Hours	60	Total	100
Course Code		Exam Duration	2.00 Hours
Course Title	Physical Geography of India		

Course Objectives:

- The course is aimed at presenting an integrated and empirically based profile of India Physical: Location, Physiographic Divisions, Climate: characteristics and Classification; Soil and Natural vegetation.
- Economic: Mineral and Power Resources: Distribution and Utilization of Iron Ore, Coal, Petroleum, Gas.

Course Learning Outcomes: After completion of the course:

- Understand the physical profile of the country
- Study the resource endowment and its spatial distribution and utilization for sustainable development
- Synthesize and develop the idea of regional dimensions.

Course Contents

Sem	Unit No.	Syllabi	Teaching Hours
3	1	• India, Extent its location with South and South East Asia and Indian Ocean • Physiography of India • Drainage System in India	15
	2	• Climate -Indian Monsoon -Origen & Development • Seasons of India & Variability of Rainfall • Climatic Regions of India (Koppen's Classification)	15

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	3	• Soils- Characteristics, Classification, Problems & Conservation • Distribution of Forest, Classification of forest, • Wild Life, Biosphere Reserves	15
	4	• Resource -Natural Resources, Minerals Resources & Distribution • Metallic Minerals- Iron ore, Copper, Bauxite, Manganese • Non-Metallic – Lime Stone, Mica, Dolomite • Energy Resource- Coal, Petroleum, Natural Gas, Electricity • Non-Conventional Resources -Solar, Wind & other Sources	15

Suggested Reading:

1. Singh R. L. India: A Region Geography National Geography Society of India Varansai 1971.
2. Sharma T. C.: Economic and Commercial Geogrpahy of India - Vika Publishing Hance Pvt. Ltd.
3. Wadia D. N. geology of India MC. Millan & Co. London – 1967.
4. Despande C.D. India – A Regional interpretation, Northern Book center New Delhi – 1992.
5. Dube R. N.: Economic & Geography of India.
6. Mamona G. B.: Advance Geography of India.

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

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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.

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)

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Course Level	5.0		Internal Marks	50
Programme	B. A.		External Marks	50
Semester	03		Practical/ Viva exam	--
Category of Course	MAJOR – 7		Practical External	--
Course Credit	4		Prac. External Exam Duration	--
Teaching Hours	75		Total	100
Course Code			Exam Duration	2.00 Hours
Course Title	Meteorological Instruments & Indian Daily Weather Report			

Course Objectives:

- The objectives of this paper are to provide an overview of multidisciplinary nature of weather & Climate and elements of climate. Further aims to know the measurement of these elements.
- The course aims to understanding of the existing Indian Metrological Observatories and their role in India. Further aims to sensitize the students to know about weather symbols and their use in daily weather report.

Course Learning Outcomes: After completion of the course:

- Understand the basics of multidisciplinary nature of environment with meaningful outcomes.
- Understand the renewable and nonrenewable resources and role of individuals in conservation.
- Students aware about types of ecosystem, functions, characteristics of ecosystem.

Practical Record: (Teaching Hours: 30)

- A Project File in pencil comprising one exercise each, on Introduction & Drawing of Instruments & their Detail Information, interpretation of weather maps.

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Subject: Geography**SEMESTER-III****Course Contents**

Sem	Unit No.	Syllabi	Teaching Hours
3	1	(Introduction Meteorology) ▪ Weather and climate and the difference between them, ▪ Elements of weather and climate and the factors affecting them, ▪ Importance of the study of weather and climate. ▪ Meteorological Observatories, Meteorological observations, Meteorological Observatories types and their importance ▪ Location and distributions	15
	2	(Meteorological Instruments) ▪ Introduction of Instruments & their Detail Information ▪ Thermometer (Simple, Max & Minimum), Dry & Wet Bulb Thermometer, Thermograph, ▪ Aneroid Barograph, Fortin's Barometer, Hygrometer, ▪ Wind Wane, Anemometer, Rain Gauge	15
	3	(Climatic Graphs) ▪ Metrological graphs and their importance. ▪ Line graph, bar graph, combined graph, Climograph, Hythergraph and Wind rose	15
	4	(Indian Daily Weather Maps) ▪ Weather Symbols ▪ Interpretation of Indian Daily Weather Maps (Summer, Winter & Monsoon) - any one ▪ Predictions, warnings and their significance after interpretation.	15

Suggested Reading:

1. Bygott, J., Mapwork and Practical Geography.
2. Ishtiaque, M., A Textbook of Practical Geography.
3. Mahmood, Aslam, Statistical Techniques in Geographical Studies, Rajesh publishers, New Delhi.
4. Misra, R.P., & Ramesh, A., Fundamentals of Cartography, Mac Millan, New Delhi, 1986.
5. Monkhouse, F.J., Maps and Diagrams.
6. Singh, R., & Singh, L.R., Mapwork and Practical Geography.
7. Singh, R.L., Elements of Practical Geography.

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INTERNAL EVALUATION SCHEME		
NO	Particulars	Marks
1	Mid Semester Exam (Project Work Evaluation) (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
	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-III****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- 1,2,3)	(10)
	OR	
	(B) Essay Type Question. (From Unit- 1,2,3)	
Que. 5	Short Notes. (2/3) (One from each unit)	(10)

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Subject: Geography**SEMESTER-III**

Course Level	5.0	Internal Marks	50
Programme	B. A.	External Marks	50
Semester	03	Practical Internal	--
Category of Course	MDC-3	Practical External	--
Course Credit	4	Prac. External Exam Duration	--
Teaching Hours	60	Total	100
Course Code		Exam Duration	2.00 Hours
Course Title	Basic of Human Geography		

Course Objectives:

- Human Geography: Definition, Scope and Principles; Contemporary Relevance.
- Population: Population Growth and Distribution; Population Composition;
- Space and Society: Cultural Regions; Race; Tribes, Religion and Language.
- Settlements: Types of Rural Settlements; Classification of Urban Settlements; Trends and Patterns of World Urbanization.
- Population-Resource Relationships and Regional Resource Development

Course Learning Outcomes: After completion of the course:

- Know the changing human and cultural landscape at different levels.
- Understand patterns and processes of population growth and its implications.
- Appreciate the nature and quality of human landscapes

Course Contents

Sem	Unit No.	Syllabi	Teaching Hours
3	1	• Definition, Subject matter and branches of Human Geography • Man & Environment Relationship (Conceptual Approach) • Determinism & Possibilism, Probabilism	15
	2	• Global Cultural Diversities – Races, Region, Language • Major Primitive Tribes of the World (Pygmies, Bushman, Eskimos)	15
	3	• Population- Population growth and Distribution • Migration – Types causes & Consequences	15

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	4	- Economic Structure of mankind – Composition (Primary, Secondary, Tertiary, Quaternary & Quinary) - Settlement – Types of Settlement	15
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Suggested Reading:

- Hartshorne, T. A., & Alexander, J. W. (2010). Economic Geography. New Delhi: PHILearning.
 - Knox, P., Agnew, J., & McCarthy, L. (2008). The Geography of the World Economy. London: Hodder Arnold.
 - Lloyd, P., & Dicken, B. (1972). Location in Space: A Theoretical Approach to Economic Geography. New York: Harper and Row.
 - Siddhartha, K. (2000). Economic Geography: Theories, Process and Patterns, New Delhi: Kisalaya Publications.
 - Smith, D. M. (1971). Industrial Location: An Economic Geographical Analysis, New York: John Wiley and Sons.
- Mohan. K (2019), GES PERIODOS VOL 2: Indian, Human and Economic Geography, Oak Bridge publication, New Delhi

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

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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.

Paper:

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)