

**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,
AURANGABAD.**



Circular / Acad Sec./ UG-PG /CBCS Curri./Colleges/ 2022.

It is hereby inform to all concerned that, on the recommendation of Dean of Faculty of Humanities; **the Academic Council at it's Meeting held on 30th August, 2022 has accepted the following revised Curriculum with amendment Rules & Regulation** under Choice Based Credit and Grading System under the Faculty of Humanities.

Sr. No.	Course/Curriculum Name	Semesters
01.	B.A./B.Com./B.Sc./BSW/ BFA First , Second & Third Year Com., Opt., & Addi (SL) [English] Progressively.	Ist to VIth
02.	B.A. First Year Pali & Buddisum.	Ist & IIInd
02.	B.A. First Year Economics (Honors) for Model College.	Ist & IIInd
03.	B.Com. <u>First Year</u> Hindi (Genral Hindi) Question Paper Pattern.	Ist & IIInd
04.	B. A. Second Year [Geography] Progressively.	IIIrd & IVth
05.	M.A. First & Second Year [Economics] Progressively	Ist to IVth

This is effective from the Academic Year 2022-23 and Onwards progressively as appended herewith.

All concerned are requested to note the contents of this circular and bring notice to the students, teachers and staff for their information and necessary action.

University campus,
Aurangabad-431 004.
Ref. No. SU/Colleges & Uni.Curri/
2022/8676

Date: 30.08.2022.

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**Deputy Registrar,
Academic.**

Copy forwarded with compliments to:-

- 1] **The Head, Economics Department,**
Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- 2] **The Principal, all affiliated colleges,**
Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- 3] **The Principal, Model College,**
Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- 4] **The Director, University Network & Information Centre, UNIC,**
with **a request to upload this Circular on University Website.**

Copy to :-

- 1] **The Director, Board of Examinations & Evaluation,**
- 2] **The Sec. Officer, [B.A., B.Com, B.Sc. & M.A. Unit] Exam. Branch,**
- 3] The Section Officer, [Eligibility Unit],
- 4] The Programmer [Computer Unit-1] Examinations,
- 5] The Programmer [Computer Unit-2] Examinations,
- 6] The In-charge, [E-Suvidha Kendra],
- 7] The Public Relation Officer,
- 8] The Record Keeper,
Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

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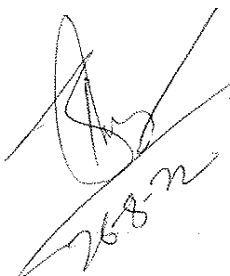


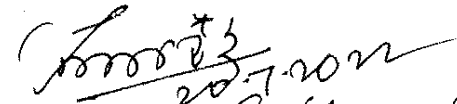
**DR. BABASAHEB AMBEDKAR MARATHWADA
UNIVERSITY, AURANGABAD**

**Choice Based Credit System (CBCS) Syllabus
for Bachelor of Arts (B.A.) Geography**

SEMESTER-III & IV

With Effect from Academic Year 2023-24


Dean,
Faculty of Humanities

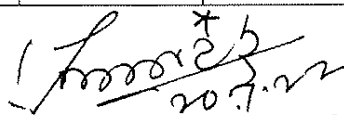

Professor Lejhanis D.S. 1 | Page
Chairman - B.A. Geography -
Dr. B.A. M.U. Aurangabad

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
CBCS Curriculum Structure and Scheme of Evaluation for B.A. S.Y.
Geography

SEMESTER- III									
Sr. No.	Course Code	Titles of Course	Scheme of Teaching (Periods / Week)		Total Lectures	Total Credit	Scheme of Evaluation (Marks)		
			Theory	Practical			Theory	Practical	Total Marks
1	CCGEOG-3E	Climatology	4	-	60	2	30	-	30
2	SECGEOG-3A	Introduction of GIS	4	-	60	2	30	-	30
3	CCGEOG-3P3	Practical	-	4	60	2	-	40	40
(A) Total of Semester – III			8	4	180	6	60	40	100

SEMESTER- IV									
Sr. No.	Course Code	Titles of Course	Scheme of Teaching (Periods / Week)		Total Lectures	Total Credit	Scheme of Evaluation (Marks)		
			Theory	Practical			Theory	Practical	Total Marks
1	CCGEOG-3F	Oceanography	4	-	60	2	30	-	30
2	SECGEOG-3B	Geography of Population	4	-	60	2	30	-	30
3	SECGEOG-3P4	Practical	-	4	60	2	-	40	40
(B) Total of Semester – IV			8	4	180	6	60	40	100

Annual Practical (Semester- III & IV)							
Sr. No.	Course Code	Titles of Course	Scheme of Teaching(Periods / Week)		Total Credit	Scheme of Evaluation (Marks)	
			Practical	Total Lectures		Practical	Total Marks
1	CCGEOG-3P3	Practical	4	60	2	40	40
2	SECGEOG-3P4	Practical	4	60	2	40	40
(C) Total of Semester –III & IV			8	120	4	80	80


 20.7.22
 Dr. Rajkumar D.S.
 Chairman, BDS-Geography-
 Dr. B. A. M. U. A'bad.

B.A. S.Y. (Semester – IIIrd)
Course Code – CCGEOG-3E
Title of Course- Climatology

❖ Learning Outcomes:

After the completion of course, the students will have ability to:

1. Understand the elements of weather and climate and its impacts at different scales.
2. Comprehend the climatic aspects and its bearing on planet earth.
3. Learn the interaction between the atmosphere and the earth's surface. Understand the importance of the atmospheric pressure and winds.
4. Analyze the dynamics of the Earth's atmosphere and global climate. Assessing the role of man in global climate change.

Total Marks: 30

Unit No.	Topic	Period	Marks
I	Introduction of Climatology- Definition, – Nature and scope of Climatology, Significance of Climatology, weather and Climate, Composition and Structures of the Atmosphere.	10	6
II	Insolation and Temperature – Definition of Insolation and Temperature, Heat Budget of the Earth, Factors affecting the distribution of Solar energy, Distribution of Temperature – Vertical and Horizontal, Range of Temperature.	15	8
III	Atmospheric Pressure and Types of Winds- Evaporation and Condensation, Hydrological cycle, Types of Precipitation, World pattern of rainfall- Regional and Seasonal distribution. Air Masses and Fronts: Concept, Classification and properties. Atmospheric disturbance: Tropical and Temperate cyclones: thunderstorms and tornadoes.	25	10
IV	Role of Climate in Human life: - Atmospheric pollution and global warming, general causes, consequences and measures of control.	10	6

Recommended Books:

- 1] Barry R.G. and Chorley R.J. : Atmosphere, Weather and Climate, Routledge. 1998.
- 2] Critch Field H. : General Climatology, Prentice, Hall, New York, 1975.
- 3] Lydolph, Paul, E. : The Climate of the Earth, Rowman and Allanheld, Totowa N.J. 1958.
- 4] Triwartha G.T. : An Introduction to Climate, International Student's edition, McGraw-Hill, New York, 1975
- 5] D.S. Lal : Climatology , Sharda Pustak Bhawan, Prayaraj,
- 6] डॉ. गजहंस डी. एस व डॉ. पाथरे यु. बी. : हवामानशास्त्र व सागर विज्ञान , विद्या प्रकाशन,

औरंगाबाद.

- 7] प्रा. ए. बी. सवदी: हवामानशास्त्र व सागरशास्त्र निराली प्रकाशन.
- 8] डॉ. विठ्ठल चारपुरे: हवामानशास्त्र, पिंपळापुरे, नागपूर
- 9] प्रा. डॉ. पिसाळ एच. जी., प्रा. डॉ. अष्टुरे: हवामानशास्त्र, प्रतिमा प्रकाशन पुणे.
- 10] डॉ. राजेंद्र परमार : हवामानशास्त्र ,हिमालय पब्लिशिंग हाउस ,मुंबई.

B.A. S.Y. (Semester – IIIrd)
Course Code- SEC GEOG-3A
Title of Course- Introduction of GIS

❖ **Learning Outcome:**

After the completion of course, the students will have ability to:

1. Understand various components and principles of GIS
2. Construct the thematic maps using different digital layers
3. Apply GIS in various geographical studies

Total Marks: 30

Unit No.	Topic	Period	Marks
I	Introduction of Geographical Information System (GIS): Definition, Nature and Scope of GIS, Components of GIS, Significance of GIS in Geographical Studies.	10	6
II	GIS Data Structures: Types of Data: Spatial and Non-Spatial, Introduction of Raster Data and Vector Data, Classification of Raster Data and Vector Data	20	8
III	GIS Data Analysis: Geo-Referencing: Toposheets, Images, Digitization, Process of Map Making tools.	20	8
IV	Application of GIS: Land Use Mapping: Urban Sprawl Analysis; Forests Monitoring Natural disasters.	10	8

Recommended Books :

1. Bhatta, B., (2010): Analysis of Urban Growth and Sprawl from Remote Sensing, Springer, Berlin Heidelberg.41
2. Burrough, P.A., and McDonnell, R.A. (2000): Principles of Geographical Information System-Spatial Information System and Geo-statistics. Oxford University Press
3. Chauniyal, D.D. (2010): Sudur Samvedan evam Bhogolik Suchana Pranali, Sharda Pustak Bhawan, Allahabad
4. Gomarasca, M. A. (2009) Basics of Geomatics, Springer Science, New York
5. Heywoods, I., Cornelius, S and Carver, S., (2006): An Introduction to Geographical Information system. Prentice Hall.
6. Jha, M.M. and Singh, R.B., (2008) Land Use: Reflection on Spatial Informatics Agriculture and Development, New Delhi: Concept.
7. Kumar, Dilip, Singh, R.B. and Kaur, Ranjeet (2019): Spatial Information Technology for Sustainable Development Goals, Springer.

8. Nag, P. (2008) Introduction to GIS, Concept India, New Delhi.
9. डॉ. पी. एम. नागतोडे, डॉ. लांजेवार: नकाशाशास्त्र व प्रात्यक्षिक भूगोलशास्त्र विद्या प्रकाशन,
नागपूर
10. प्रा. डॉ. व्ही. जे. पाटील, प्रा. डॉ. डी. एस. सूर्यवंशी: दूर संवेदन आणि भौगोलिक
माहिती प्रणाली
11. डॉ. संजय भैसे, प्रा. देवेंद्र मस्की: भौगोलिक माहिती प्रणाली, प्रशांत प्रकाशन
जळगाव.

B.A. S.Y. (Semester – IIIrd)
Course Code- CCGEOG-3P3
Title of Course- Practical Geography

❖ Learning Outcome:

After the completion of course, the students will have ability to:

1. Students will know the various instruments used for the climatic phenomena
2. Students will be able to use climatic data for the Cartographic Techniques.
3. Students will achieve the knowledge of Various sign and symbols used in daily weather reports
4. Students will interpret the Indian Daily weather reports.

Total Marks: 40

Unit No.	Topic	Period	Marks
I	Study of Weather Instruments:- Thermometer, Simple, Minimum & Maximum, Dry & Wet Bulb, Rain-gauge, Wind Vane, Cup Anemometer, Hygrometer, Aneroid Barometer	20	10
II	Representation of Climatic Data with help Cartographic Techniques. 1] Climograph 2] Hythergraph 3] Star Diagram 4) Wind Rose 5) Ergograph 6) Isobars 7) Isotherms 8) Isohyets	20	10
III	Conventional Signs and Symbols used in IDWR Interpretation of Indian Daily Weather Reports of Various Seasons. (At least 2 maps)	20	10
IV	Journal and Viva-Voce.	-	10

Recommended Books :

- 1] Monkhouse F.G. & Willinson H.R. : Maps and Diagrams, Methues, London, 1994.
- 2] Singh R.L. : Elements of Practical Geography, A KalyaniPub. New Delhi.
- 3] Steers J.A. : Map Projections, University of London Press, London.
- 4] Bygoot J. : An Introduction to Map Work and Practical Geography, University Titorial, London, 1964.
- 5] Sarkar, A.K. : Practical Geography- A Systematic approach, Orient Longman, Culcutta, 1997.
- 6] डॉ. अर्जुन कुंभार: प्रात्यक्षिक भूगोल, सुमेरू पब्लिकेशन डोबिवली, मुंबई.
- 7] डॉ. पी. एम. नागतोडे, डॉ. लांजेवार: नकाशाशास्त्र व प्रात्यक्षिक भूगोलशास्त्र विद्या प्रकाशन, नागपूर
- 8] डॉ. व्ही. जे. पाटील व डॉ. ए. पी. चौधरी: प्रात्यक्षिक भूगोल, प्रशांत पब्लिकेशन, जळगाव.
- 9] डॉ. जयकुमार मगर व जगताप : प्रात्यक्षिक भूगोल.

B.A. S.Y. (Semester – IVth)
Course Code- CCGEOG-3F
Title of Course- Oceanography

❖ Learning Outcomes:

After the completion of course, the students will have ability to:

1. Understand the major concepts in oceanography
2. Describe the ocean bottom floor.
3. Acquire knowledge about temperature and salinity of oceanic water.
4. Understand about ocean currents and marine deposits.

Total Marks: 30

Unit No.	Topic	Period	Marks
I	Introduction of Oceanography – Definition, Nature and Scope, Distribution of Ocean. Ocean as a storehouse of resources for the future.	10	6
II	Submarine Relief- General idea of submarine relief- Continental shelf, Continental slope, Abyssal plains, Oceanic trenches and deeps, Relief of Atlantic, Pacific and Indian Ocean.	20	8
III	Properties of Oceanic Water- Factors affecting the temperature of oceanic water, Distribution of temperature in ocean water. Density of Ocean Water Salinity of ocean water, causes of salinity, Factors affecting on salinity of oceanic water, Distribution of salinity in the World.	20	8
IV	Movements of Ocean Water and Ocean Deposits Meaning and Types of Ocean Current, Distribution of Ocean currents. Ocean deposits- Shallow Sea deposits, Deep Sea deposits, Types of Corals.	10	8

Recommended Books :

- 1] Monkhouse, F.J. : Principles of Physical Geography, Hodder and Stoughton, London 1960.
- 2] Pitty, A : Introduction to Geomorphology, Methuen, London, 1997.
- 3] Small, R.J. : The Study of Landforms McGraw Hill, New York, 1985.
- 4] Daval P.A. Text books of geomorphology, Shukla book department Patna, 1996.
- 5] Singh, S. : Geomorphology, Praying Pustakalaya, Allahabad, 1998.
- 6] Kale V. and Gupt, A Element of Geomorphology

Oxford University Press, Calcutta, 2001.

- 7] डॉ. गजहंस डी. एस व डॉ. पाथरे यु. बी. : हवामानशास्त्र व सागर विज्ञान , विद्या प्रकाशन, औरंगाबाद.
- 8] डॉ.बाळासाहेब साऊबा जाधव ,डॉ.कृष्णत राजाराम जाधव, डॉ.अरुण भगवान पाटील :सागरशास्त्र , नाग-नालंदा प्रकाशन ईस्लामपूर) सांगली[
- 9] प्रा. ए. बी. सवदी: हवामानशास्त्र व सागरशास्त्र निराली प्रकाशन.

B.A. S.Y. (Semester – IVth)
Course Code- SEC GEOG-3B
Title of Course- Geography of Population

Learning Outcome:

After the completion of course, the students will have ability to:

1. Learn the role of demography and population studies as a distinct field of human geography
2. Identify and understand the population in terms of their quality and spatial distribution pattern.
3. Comprehend the contemporary issues facing the global community.

Total Marks: 30

Unit No.	Topic	Period	Marks
I	Population Geography – Definition, Nature, scope and Significance, Sources of Population data.	10	6
II	Distribution of Population – Factors Affecting the Population Distribution and Density. Population Distribution patterns – World and India.	20	8
III	Composition of Population – Age and sex composition, rural- urban composition, Economic composition; determinants, Composition of population in India and world.	20	8
IV	Migration – Meaning, Classification and their determinants. Consequences of migration, Recent Migration trends in India.	10	8

Recommended Books :

1. Beaujeu Granier J. : Geography of Population, Longman, London, 1966.
2. Chandana R.C. : Geography of Population, Kalyani Pub. Ludhiana, 1988.
3. Clark John I. : Population Geography, Permagon Press, New York, 1995.
4. Ghosh B.N. : Fundamentals of Population Geography.
5. Peters G.I. and Larkim R.P. : Population Geography – Problems, concepts and prospects, Kendele Hunt Iowa, 1979.
6. Sawant and Athawale A.S. : Population Geography, Mehta, Kolhapur.
7. Smith T.L. (1960) : Fundamental of Population Studies, Lipineott, London.

B.A. S.Y. (Semester – IVth)
Course Code- SEC GEOG-3P4
Title of Course- Practical Geography

❖ Learning Outcomes:

After the completion of course, the students will have ability to:

1. Students will know about the cartography and its importance in the study of Geography.
2. Students will achieve the knowledge regarding statistical techniques and apply it to prepare different types of cartographic maps.
3. Enable the students to construct and use various projections to prepare maps.

Total Marks: 40

Unit No.	Topic	Period	Marks
I	Cartography – Definition, Nature and Scope of Cartography. Importance of Cartography. Earth shape and size , area and great circle, co-ordinate system, plane spherical latitude, longitude direction and distance map design.	10	06
II	Representation of Statistical data by using following methods: 1] Line and Bar Graph 2] Divided Rectangle 3] Divided Circle 4] Proportional Circle 5] Dot Maps 6] Choropleth Maps 7] Isopleth Maps. 8] Traffic Flow Cartogram 9] Cube Diagram	25	12
III	Map Projection- Definition of Map Projection, Classification & necessity of Map Projection. Construction, Properties, Uses and choice of the following Map Projections: 1. Simple Cylindrical Projection. 2. Cylindrical Equal Area Projection. 3. Simple Conical Projection. 4. Conical Projection with Two Standard Parallel. 5. Zenithal Polar Gnomonic Projection. 6. Zenithal Equal Area Projection.	25	12
IV	Journal and Viva-Voce.	-	10

Recommended Books :

- 1] Pal S.K. : Statistics for Geosciences, Techniques and Application, Concept, New Delhi, 1998.
- 2] Mishra R.P. and Ramesh: A Fundamentals of Cartography, McMillen Co. New Delhi, 1986.
- 3] Monkhouse F.J.: Maps and Diagrams.
- 4] Robinson A.H.: elements of cartography, John Wiley and Sons, USA, 1995.
- 5] Singh and Kanoujia: Map Work and Practical Geography.
- 6] डॉ. अर्जुन कुंभार: प्रात्यक्षिक भूगोल, सुमेरू पब्लिकेशन डोबिवली, मुंबई.
- 7] डॉ. पी. एम. नागतोडे, डॉ. लांजेवार: नकाशाशास्त्र व प्रात्यक्षिक भूगोलशास्त्र विद्या प्रकाशन, नागपूर
- 8] डॉ. व्ही. जे. पाटील व डॉ. ए. पी. चौधरी: प्रात्यक्षिक भूगोल, प्रशांत पब्लिकेशन, जळगाव.
- 9] डॉ. जयकुमार मगर व जगताप : प्रात्यक्षिक भूगोल.

1/10/2023
20.7.2022
Dr. Lajkants D. S.
Chairman - B.A. Geography
Dr. B.A.M.U. Aurangabad.