ORIENTAL COLLEGE (AUTONOMOUS), TAKYEL, IMPHAL

TEACHING PLAN FORMAT

(20… - 20….)
BA / B.Sc.
Department of ……

PROGRAMME OUTCOMES (POS)

Upon completion of B.A./B.Sc. …….. Degree Programme, the graduates will be able to:	
PO - 1	
PO - 2	
PO - 3	
PO - 4	
PO - 5	
PO - 6	

PROGRAMME SPECIFIC OUTCOMES (PSOS)

Upon completion of B.A./B.Sc. ……., the graduates will be able to:	
PSO - 1	
PSO - 2	
PSO - 3	
PSO - 4	

Semester - I
Core Course: Physical Geography
Paper Code: HC 501
Total contact hours: 50

No. of Hours per Week	Credits	Total No. of Hours	Marks
5-6	6	45	60+40

Course objectives:

1. To introduce to the students about the physical component in geographical studies
2. To assist them in understanding the origin of the earth systems
3. To acquaint the students with the knowledge of concept and theories relating to geomorphology, climatology and oceanography.

Course Outcomes:

Upon completion of this course the students will be able to:

1. Understand the various components of the earth system and the process which shapes the earth.
2. Distinguished various types of wind, and the spheres of the earth.
3. Identify various types of landforms and their formation processes

Unit	Section	Topic	Lecture hours	Learning outcome	Pedagogy	Assessment/ Evaluation
I	1	Definition and scope	2	The students will understand the concepts relating to physical geography	Lecture/ Discussion/ / Practical	Quiz/Class test / Seminar/ Group Discussion/ Assignment
	2	Components of the earth system	3	The students will have a thorough understanding of the various components of the earth systems	Lecture/ Discussion/ Practical	
	3	Major landforms	3	The students will get exposed to the various types of landforms and climatic system	Lecture/ Discussion/ Practical	
2	1	Processes	3	The students will understand the processes generated by Endogenetic and exogenetic force	Lecture/ Discussion/ Practical	
	2	Drainage pattern	3	The students will have a thorough understanding of the various drainage pattern	Lecture/ Discussion/ Practical	
	3	Cycle of erosion	3	The students will have a thorough understanding of the fluvial cycle of erosion	Lecture/ Discussion/ Practical	
3	1	Composition of Atmosphere	2	The students will have a thorough understanding of the Composition of Atmosphere	Lecture/ Discussion/	
	2	Pressure belts and winds	4	The students will have a thorough understanding of the fluvial cycle of erosion	Lecture/ Discussion/	
	3	Types of winds	3	The students will understand the processes and Types of winds	Lecture/ Discussion/	
	1	Humidity and Condensation	3	The students will understand the processes of Humidity and condensation	Lecture/ Discussion	
4	2	Precipitation	2	The students will understand the processes of precipitation	Lecture/ Discussion	
	3	Cyclones and anti-cyclones	3	The students will understand the processes of Cyclones and anti-cyclones	Lecture/ Discussion	

Unit	Section	Topic	Lecture hours	Learning outcome	Pedagogy	Assessment/ Evaluation
5	1	Hydrological Cycle	2	The students will understand the concepts of Hydrological cycle	Lecture/ Discussion/ / Practical	Quiz/Class test / Seminar/ Group Discussion Assignment
	2	Ocean Bottom Relief	3	The students will have a thorough understanding of the Ocean Bottom Relief features	Lecture/ Discussion/ Practical	
	3	Tide and currents	3	The students will get exposed to the various types of Tide and currents	Lecture/ Discussion/ Practical	
	4	Oceanic deposits	3	The students will have a thorough understanding of the Oceanic deposits	Lecture/ Discussion	

Reference Books:

1. Conserva, H., 2004. *Illustrated Dictionary of Physical Geography.* s.l.:Author House.

2. Husain, M., 2002. *Fundamentals of Physical Geography.* Jaipur: Rawat Publications.

3. Monkhouse, F., 2009. *Principles of Physical Geography.* Kolkata: Platinum Publishers

4. Goudie, A., 1984. *The Nature of the Environment : An Advanced Physical Geography.* Oxford: Basil Blackwell Publishers.

5. Hamblin, W., 1995. *Earth's Dynamic System.* N.J.: Prentice-Hall.

6. Strahler, A. & Strahler, A., 2008. *Mordern Physical Geography.* New York: John Wiley & Sons.

7. Gabler, R., Petersen, J. & Trapasso, L., 2007. *Essentials of Physical Geography.* 8th ed. Brooks/Cole: Thompson.

8. Garett, N., 2000. *Advanced Geography.* s.l.:Oxford University Press

Course Teacher: Dr. Robindro Singh **HoD**:

Semester -I
Core Course: Cartographic Techniques
Paper Code: HC 502
Total contact hours: 60

No. of Hours per Week	Credits	Total No. of Hours	Marks
8	6	60	60+40

Course objectives:

4. To introduce to the students about the importance of Cartography
5. To assist them in conducting field survey and map projections
6. To acquaint the students with the use of topographical map

Course Outcomes:

Upon completion of this course the students will be able to:

1. Differentiate between various type scales and map projections.
2. Define various type map projections and their uses and importance.
3. Read and prepare map

Unit	Section	Topic	Lecture hours	Learning outcome	Pedagogy	Assessment/ Evaluation
I	1	Definition and scope	3	The students will understand the nature and scope of cartography	Lecture/ Discussion/ / Practical	Quiz/Class test / Seminar/ Group Discussion Assignment/
2	1	Concepts and application of Scales	2	The students will have a thorough understanding of the different types of scales	Lecture/ Discussion/ Practical	
	2	Graphical Construction of Plain scale	5	The students will be able to construct plain scale with representative fractions	Lecture/ Discussion/ Practical	
	3	Graphical Construction of comparative and Diagonal scale	5	The students will be able to construct comparative and diagonal scale with representative fractions	Lecture/ Discussion/ Practical	
3	1	Classification and properties of map projections	4	The students will have a thorough understanding of the of the classification and properties of map projections	Lecture/ Discussion/ practical	
	2	Graphical Construction of Conical and Cylindrical projections	5	The students will be able to construct map Conical and Cylindrical projections	Lecture/ Discussion/ practical	
	3	Graphical Construction of Polar Zenithal groups	6	The students will be able to construct Polar Zenithal map projections	Lecture/ Discussion/ practical	
4	1	Mollweide’s projection	4	The students will be able to construct Mollweide’s map projections	Lecture/ Discussion practical	
	2	Bonne's projection	4	The students will be able to construct Bonne's map projections	Lecture/ Discussion practical	
	3	Mercator's Projections	5	The students will be able to construct Mercator's map projections	Lecture/ Discussion practical	
5	1	Topographical map interpretation	2	The students will be able to read and interpret toposheets	Lecture/ Discussion practical	
	2	Cross and longitudinal profile	5	The students will be able to construct Cross and longitudinal profile	Lecture/ Discussion practical	

Reference Books:

1. Anson , R. & Ormelling , F. J., 1994. *International Cartographic Association.* s.l.:Pregmen Press.
2. Gupta , K. K. & Tyagi, V. C., 1992. *Working with Map.* New Delhi: Survey of India,DST.
3. Mishra, R. P. & Ramesh, A., 1989. *Fundamentals of Cartography.* New Delhi: Concept.
4. Monkhouse , F. J. & Wilkinson , H. R., 1973. *Maps and Diagrams.* London: Methuen.
5. Rhind , D. W. & Taylor , D. R. F., 1989. *Cartography: Past. Present and Future.* s.l.:Elsevier, International Cartographic Association.
6. Robinson , A. H., 2009. *Elements of Cartography.* New York: John Wiley and Sons.
7. Sarkar, A., 2015. *Practical geography: A systematic approach.* New Delhi: Orient Black Swan Private Ltd..
8. Singh , R. L. & Singh , R. P. B., 1999. *Elements of Practical Geography.* s.l.:Kalyani Publishers.

Course Teacher: Dr. Irabot Singh **HoD**: ……..

Semester -II
Core Course: Human geography
Paper Code: HC 503
Total contact hours: 50

No. of Hours per Week	Credits	Total No. of Hours	Marks
5-6	6	40	60+40

Course objectives:

7. To introduce to the students about the importance of Human geography
8. To acquaint them with the ideals of space, society and population
9. To acquaint them with the different kinds of settlement

Course Outcomes:

Upon completion of this course the students will be able to:

1. Define the nature and scope of human geography and its relevance.
2. Study population and settlement patterns and their determinants.

Unit	Section	Topic	Lecture hours	Learning outcome	Pedagogy	Assessment/ Evaluation
1	1	Definition and scope	3	The students will understand the nature and scope of human geography	Lecture/ Discussion/	Quiz/Class test / Seminar/ Group Discussion /Assignment
2	1	Space and society	2	The students will have a thorough understanding of the cultural regions	Lecture/ Discussion/	
	3	Religion and language	5	The students will have a thorough understanding of religion and language	Lecture/ Discussion/	
3	1	Population growth and distribution	5	The students will have a thorough understanding of population growth and distribution especially in india	Lecture/ Discussion/	
	2	Population change and composition	4	The students will have a thorough understanding of population migration and composition	Lecture/ Discussion/	
	2	Demographic transition theory	4	The students will have a an understanding of demographic transition theory	Lecture/ Discussion/	
4	1	Patterns of rural settlements	3	The students will have a thorough understanding of the patterns of rural typology	Lecture/ Discussion	
	2	Urban settlement	4	The students will have a thorough understanding of functional classification, growth and structure	Lecture/ Discussion	
	3	World urbanization and processes	4	The students will have a thorough understanding of the processes, trends and patterns of urbanization of the world	Lecture/ Discussion	
	1	Man versus environment	3	The students will be aquainted with the various concepts and theories of the relationship of man and environment	Lecture/ Discussion practical	

Reading List

1. Hassan, M. I., 2005. *Population Geography.* Jaipur: Rawat Publications.
2. Chandna, R., 2010. *Population Geography.*. s.l.:Kalyani Publisher.
3. Daniel, P. A. & Hopkinson, . M. F., 1989. *The Geography of Settlement.* London: Oliver & Boyd.
4. Johnston , R., Gregory , D. P. G., et al. , 2008. *The Dictionary of Human Geography.* s.l.:Blackwell Publication.
5. Jordan, B., et al. , 2006. *The Human Mosaic: A Thematic Introduction to Cultural Geography.* New York: W. H. Freeman and Company.

Course Teacher: Dr. R K Jeermison **HoD**: ……

Semester -II
Core Course: Thematic Cartography (Practical)
Paper Code: HC 504
Total contact hours: 60

No. of Hours per Week	Credits	Total No. of Hours	Marks
8	6	60	60+40

Course objectives:

1. To introduce to the students about the importance of maps
2. To acquaint them with diagrammatic data presentation
3. To acquaint them with cartographic overlays and thematic mapping

Course Outcomes:

Upon completion of this course the students will be able to:

1. Classify various types of maps and read them.
2. Represent different data by diagrams.

Unit	Section	Topic	Lecture hours	Learning outcome	Pedagogy	Assessment/ Evaluation
1	1	Classification and types of maps	3	The students will understand the various types of maps	Lecture/ Discussion/ practical	
	2	Map Design	3	The students will understand the principles of map design	Lecture/ Discussion/ practical	Quiz/Class test / Seminar/ Group Discussion /Assignment
2	1	Diagrammatic Data Presentation	2	The students will be able to construct bar, line, circle and square diagram	Lecture/ Discussion/ practical	
	2	Diagrammatic Data Presentation	5	The students will be able to construct cuboid and sphere diagram	Lecture/ Discussion/ practical	
3	1	Thematic mapping	5	The students will have a an understanding on the properties and uses of thematic mapping	Lecture/ Discussion/ practical	
	2	Choropleth	4	The students will be able to choropleth on map to represent data	Lecture/ Discussion/ practical	
	3	Proportional Circles; Point Data- Isopleths.	4	The students will be able to construct circle and isopleths on map to represent data	Lecture/ Discussion/ practical	
4	1	Cartographic overlays	7	The students will be able to construct point and line graph on map to represent data	Lecture/ Discussion/ practical	
	2	Cartographic overlays	7	The students will be able to construct Areal data and ergo graph	Lecture/ Discussion/ practical	
5	1	Preparing thematic map	7	The students will be able to prepare and interpret maps	Lecture/ Discussion/ practical	
	2	Pyramid diagram presentation	6	The students will be able to construct Age and sex Pyramid diagram		

Reference:

1. Dent , B. D., Torguson , J. S. & Holder, T. W., 2008. *Cartography: Thematic Map Design.* 6th ed. s.l.:Mcgraw-Hill Higher Education.
2. Gupta , K. K. & Tyagi , V. C., 1992. *Working with Maps.* New Delhi: Survey of India, DST.
3. Kraak , M. J. & Ormeling , F., 2003. *Cartography: Visualization of Geo-Spatial Data.* s.l.:Prentice-Hall.
4. Mishra , R. P. & Ramesh , A., 1989. *Fundamentals of Cartography.* New Delhi: Concept.
5. Sarkar, A., 2015. *Practical geography: A Systematic Approach.* New Delhi: Orient Black Swan Private Ltd..
6. Singh , R. L. & Singh , R. P. B., 1999. *Elements of Practical Geography.* s.l.:Kalyani Publishers.
7. Slocum , T. A., Mcmaster , R. B. & Kessler, . F. C., 2008. *Thematic Cartography and Geovisualization.* 3rd ed. s.l.:Prentice Hall.
8. Tyner , J. A., 2010. *Principles of Map Design.* s.l.:The Guilford Press.

Course Teacher: Dr. Irabot Singh **HoD**: ……

Semester -II
Core Course: Basic statistical technique (Practical)
Paper Code: SEC 502
Total contact hours: 60

No. of Hours per Week	Credits	Total No. of Hours	Marks
5	2	30	60+40

Course objectives:

1. To introduce to the students about the statistical method in geography
2. To acquaint them with Tabulation and Descriptive Statistics
3. To acquaint them with Centro-graphic Techniques

Course Outcomes:

Upon completion of this course the students will be able to:

1. Understand the basics of data collection and processing for the meaningful outcomes.
2. Comprehend the representation and interpretation of the results.
3. Put into practice results obtained in representation as well as day-to-day life.

Unit	Section	Topic	Lecture hours	Learning outcome	Pedagogy	Assessment/ Evaluation
1	1	Statistical data	5	The students will understand the various source of data	Lecture/ Discussion/ practical	
	2	Statistical diagram	5	The students will understand the histogram and polygon interpretation	Lecture/ Discussion/ practical	Quiz/Class test / Seminar/ Group Discussion /Assignment
2	1	Tabulation and Descriptive Statistics	5	The students will be able to solved Frequencies (Deciles, Quartiles)	Lecture/ Discussion/ practical	
	2	Central Tendency	5	The students will be able to solved mean, median and mode and its uses	Lecture/ Discussion/ practical	
3	1	Dispersion	5	The students will be able to solved Standard Deviation, Variance and Coefficient of Variation	Lecture/ Discussion/ practical	

Reference:

1. Berry , B. J. L. & Marble , D. F., n.d. *Spatial Analysis - A Reader in Geography.* s.l.:s.n.
2. Ebdon , D., 1977. *Statistics in Geography: A Practical Approach.* s.l.:s.n.
3. Hammond , P. & McCullagh , P. S., 1978. *Quantitative Techniques in Geography: An Introduction.* s.l.:Oxford University Press..
4. King, . L. S., 1969. *Statistical Analysis in Geography.* s.l.:Prentice-Hall.

Course Teacher: ……. **HoD**: ……

Semester -III
Core Course: Geography of India
Paper Code: HC 601
Total contact hours: 60

No. of Hours per Week	Credits	Total No. of Hours	Marks
6	6	60	60+40

Course objectives:

1. To introduce to the students about the Physical characteristics of India.
2. To acquaint them with population characteristics of India
3. To acquaint them with socio-economic characteristics of India
4. To let them understand the various methods of regionalization.

Course Outcomes:

Upon completion of this course the students will be able to:

1. Understand the physical profile of the country
2. Study the resource endowment and its spatial distribution and utilization for sustainable development
3. Synthesis and develop the idea of regional dimensions.

Unit	Section	Topic	Lecture hours	Learning outcome	Pedagogy	Assessment/ Evaluation
1	1	Physiographic divisions	4	The students will understand the various types of physiographic divisions	Lecture/ Discussion/	
	2	Soil and vegetation	5	The students will understand the types of soil and vegetation in india.	Lecture/ Discussion/	
	3	Climate	5	The students will understand the types of climatic characteristics	Lecture/ Discussion/	Quiz/Class test / Seminar/ Group Discussion /Assignment
2	1	Population distribution	6	The students will understand the population Distribution in India	Lecture/ Discussion/	
	2	Population Growth and Structure	6	The students will understand the. Population Growth and Structure of india	Lecture/ Discussion/	
3	1	Mineral and Power Resources	5	The students will understand the. Distribution and utilization of iron ore, coal, petroleum and gas in India	Lecture/ Discussion/	
	2	Agriculture	4	The students will understand the. Production and distribution of rice and wheat in India	Lecture/ Discussion/ practical	
	3	Industry- Automobile and Information Technology. .	4	The students will understand the Automobile and Information Technology of india.	Lecture/ Discussion/	
4	1	Caste and tribes	5	The students will understand the caste and tribes distribution of india.	Lecture/ Discussion/	
	2	Race	5	The students will understand the various classifications of race and distribution in india.	Lecture/ Discussion/	
	3	Religion and language	4	The students will understand the distribution religion and language in india.	Lecture/ Discussion/	

5	1	Socio - cultural regionalization (Sopher)	5	The students will understand the regionalization method of Sopher	Lecture/ Discussion/
	2	Physioigraphic regionalization	4	The students will understand the regionalization method of R. L. Singh	Lecture/ Discussion/
	3	Economic regionalization	5	The students will understand the economic regionalization method of Sengupta	Lecture/ Discussion/

Reference:

1. Deshpande , C. D., 1992. *India: A Regional Interpretation.* New Delhi: ICSSR.

2. Johnson, B. L. C., 2001. *Geographical Dictionary of India.* New Delhi: Vision Books.

3. Mandal , R. B., 1990. *Patterns of Regional Geography - An International Perspective.* Vol. 3 - Indian Perspective ed. s.l.:s.n

4. Pathak, C. R., 2003. *Spatial Structure and Processes of Development in India.* Kolkata: Regional Science Association.

5. Sdyasuk , G. & P , Sengupta, 1967. *Economic Regionatisation of India.* Delhi: Census of India.

6. Sharma, T. C., 2003. *India - Economic and Commercial Geography.* New Delhi: Vikas Publications.

7. Sharma, T. C., 2013. *Economic Geography of India.* Jaipur: Rawat Publication.

Course Teacher: R K Jeermison **HoD**: ……

Semester -III
Core Course: Regional geography
Paper Code: HC 602
Total contact hours: 60

No. of Hours per Week	Credits	Total No. of Hours	Marks
6	6	60	60+40

Course objectives:

1. To Identify various regions and the basis of its classification
2. To understand the regionalization methods
3. To Study the regional problems and various regional development projects.

Course Outcomes:

Upon completion of this course the students will be able to:

1. Identify various regions and the basis of its classification.
2. Apply the models and theories of regional planning in real life
3. Study the regional problems and various regional development projects.

Unit	Section	Topic	Lecture hours	Learning outcome	Pedagogy	Assessment/ Evaluation
1	1	Defining region	4	The students will understand the definition and concepts of region	Lecture/ Discussion/	
	2	Evolution and types of regional planning	5	The students will understand the Evolution and types of regional planning	Lecture/ Discussion/	
	3	Planning regions and regional development	5	The students will understand the planning regions and regional development	Lecture/ Discussion/	
2	1	Regional Imbalances	6	The students will understand the structure of Regional Imbalances	Lecture/ Discussion/	
	2	Functional Regions	6	The students will understand the. Problems of Functional Regions	Lecture/ Discussion/	
3	1	Characteristics of Planning Region	5	The students will understand the Characteristics of an Ideal Planning Region.	Lecture/ Discussion/	Quiz/Class test / Seminar/ Group Discussion /Assignment
	2	Delineation of Planning Region	4	The students will understand the. Delineation of Planning Region	Lecture/ Discussion/ practical	
	3	Regionalization of India .	4	The students will understand the Regionalization of India for Planning (Agro Ecological Zones). .	Lecture/ Discussion/	
4	1	Models for regional planning	5	The students will understand the models of Perroux and growth centre model	Lecture/ Discussion/	
	2	Village Cluster	5	The students will understand the model of village cluster	Lecture/ Discussion/	

Unit	Section	Topic	Lecture hours	Learning outcome	Pedagogy	Assessment/ Evaluation
5	1	Backward regions	4	The students will understand the definition and concepts of backward region	Lecture/ Discussion/	
	2	Special Area Development Plans in India	5	The students will understand the Special Area Development Plans in India	Lecture/ Discussion/	
	3	DVC-The Success Story and the Failures.	5	The students will understand the DVC-The Success Story and the Failures.	Lecture/ Discussion/	

Reference:

1. Adell, German., 1999. *Literature Review: Theories and Models Of The Peri-Urban Interface:A Changing Conceptual Landscape.* London: Peri-urban Research Project Team, Development Planning Unit, University College London.

2. Bhatt, L. S., 1976. *Micro Level Planning in India.* Delhi: KB Publication.

3. Deshpande , C. D., 1992. *India: A Regional Interpretation.* New Delhi: ICSSR.

4. Dreze , J. & A. , S., 1996. *Indian Development: Select Regional Perspectives.* Oxford: Oxford University Press.

5. Rapley, J., 2007. *Understanding Development: Theory and Practice in the 3rd World*..London: Lynne Rienner.

6. Raza, M., l988. *Regional Development. Contributions to Indian Geography*.. New Delhi: Heritage Publishers

Course Teacher: R K Jeermison **HoD**: ……