

**SWAMI RAMANAND TEERTH MARATHWADA
UNIVERSITY, NANDED**

SYLLABUS

GEOGRAPHY

B.A. FIRST YEAR

SEMESTER PATTERN (MCQ)

With Effect From: June, 2012

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED

Subject-Geography

B.A. First Year (New Pattern)

with effect from: June, 2012

Semester	Paper No.	Title of the Paper	Marks	Periods per week
Sem. I	I	Geomorphology	40 30+10 (Int.)	04
	II	Climatology	40 30+10 (Int.)	04
Sem. II	III	Oceanography	40 30+10 (Int.)	04
	IV	Biogeography	40 30+10 (Int.)	04
Sem. I & II		Practical- I	40	*3 (per batch)

1. Teaching work load shall be four periods per week for each theory paper and three periods per batch per week for practical.
2. Strength of students for each practical batch shall not be more than 20 (twenty).
3. Submission of certify journal is compulsory, without certified journal students shall not be allowed for practical examination.
4. Total periods for each theory paper shall be 60 per semester.
5. Total periods for practical paper shall be 90 per year.
6. Practical examination will be held at the end of second semester.
7. Internal examination pattern for each theory paper- two tests of 5 marks each.
8. Duration of examination for each theory paper in semester pattern is two hours and in semester with MCQ Pattern is one hour
9. Duration of examination for practical paper is three hour.

B. A. First Year
Subject- Geography
Semester- I
Paper- I
Geomorphology

Unit- I : Geomorphology-Its Field and Interior of the Earth:

- a) Geomorphology as a branch of physical geography.
- b) Definition, nature and scope of geomorphology.
- c) Interior of the earth.
- d) Measure first and second order landform i) First order landform – continental ocean ii) Second order landform – Mountain, plateau and plain and their type.

Unit -II : Rocks and Weathering:

- a) Rocks- Classification of rocks according to their origin- igneous, sedimentary and metamorphic.
- b) Weathering-mechanical, chemical and biological

Unit -III : Indogenetic and Exogenetic Forces:

- a) Indogenetic Forces-Earthquakes. Its meaning, causes and effects
- b) Exogenetic Forces-River, Wind Erosional, transportational and depositional landforms associated with them.

Reference Books –

- 1) Thornbury, W.D. – Principles of Geomorphology, New Age International (p) Ltd. Publishers, Second Edition, New Delhi.
- 2) Sparkes, B. W.- Geomorphology, Longmans, London.
- 3) Singh, Savinder – Geomorphology, Prayag Pustkalay, Allahabad.
- 4) Monkhouse, F. J. Principles of Physical Geography, Hodder and Stoughton, London.
- 5) Strahler, A. N. And Strahler, A. H.- Modern Physical Geography, John Wiley and Sons, London.
- 6) Smail, R. J. – The study of Landforms, McGraw Hill, New York.
- 7) तावडे, मो. द. - भूरूपशास्त्र, कॉन्टिनेन्टल प्रकाशन, पुणे-३०.
- 8) मगर, जयकुमार- भूरूपशास्त्र, विद्या प्रकाशन, नागपूर.
- 9) फुले, सुरेश -भूरूपशास्त्र, विद्याभारती प्रकाशन, लातूर
- 10) घारपुरे, विठ्ठल - भूरूपशास्त्र, पिंपळापुरे प्रकाशन, नागपूर
- 11) दाते, सु. प्र. आणि दाते, संजिवनी. प्राकृतिक भूगोल, विद्या प्रकाशन नागपूर
- 12) डॉ. शेते, शंकरराव, डॉ. फुले, सुरेश व डॉ. शहापूरकर, ओमप्रकाश- प्राकृतिक भूगोल अभिजीत पब्लिकेशन लातूर
- 13) डॉ. राठोड हरिदास, भोगे दिलीप, डॉ. अष्टुरे संजिव— प्राकृतिक भूगोलाची ओळख, अरूणा प्रकाशन लातूर.

B. A. First Year
Subject- Geography
Semester- I
Paper- II
Climatology

Unit- I : Climatology- Its Field, Weather and Climate:

- a) Climatology as a branch of Physical geography
- b) Definition, nature and scope of Climatology.
- c) Elements of weather and climate.

Unit- II : Atmosphere, Temperature, Pressure and Winds:

- a) Atmosphere- Composition and structure
- b) Insolation
- c) Atmospheric pressure and winds- vertical and horizontal distribution of pressure, types of winds- planetary, periodic and local winds.

Unit- III : Atmospheric Moisture and Cyclones:

- a) Atmospheric moisture- humidity, types of humidity, evaporation, condensation, forms of condensation, types of precipitation.
- b) Cyclones- tropical and temperate cyclones.

Reference Books –

- 1) Trewartha, G. T. : An Introduction to Climate, McGraw Hill, New York.
- 2) Critchfield, H. : General Climatology, Prentice –Hall, New York.
- 3) Barry, R. G. and Chorley, R. J.: Atmosphere, Weather and Climate, Routledge.
- 4) Lal, D. S. : Climatology, Sharda Pustak Bhavan, Allahabad.
- 5) Miller, A.A.: Climatology, Dutton.
- 6) Kendrew, W. G. : Climatology, Oxford,
- 7) Stringer, E. T. : Foundations of climatology, Surjeet Publications, Delhi.
- 8) Shapley, H.: Climatic Change- Evidence, Causes and Effects, Harvard University Press.
- 9) Monkhouse, F. J. : Principles of Physical Geography, Hodder and Stoughton, London.
- 10) Strahler, A. N. and Strahler, A. H.- Modern Physical Geography, John Wiley and Sons, London.
- 11) Singh, Savinder - Physical Geography, Prayag Pustak Bhawan, Allahabad.
- 12) डॉ. शेटे, एस. टी.: हवामानशास्त्र व सागरविज्ञान, अभिजीत पब्लिकेशन, लातूर
- 13) कोलते, के. टी., पुराणिक, एम. जी., कुबडे, सुमती - हवामानशास्त्र व सागरविज्ञान, विद्या प्रकाशन नागपूर.
- 14) धारपूरे विट्ठल - हवामानशास्त्र, पिंपळापूरे अँड कं. पब्लिशर्स, नागपूर.

B. A. First Year
Subject- Geography
Semester- II
Paper- III
Oceanography

Unit- I : Oceanography and Its Field:

- a) Oceanography as a branch of physical geography.
- b) Definition, nature and scope of oceanography.

Unit- II : Surface Configuration of Ocean Floor:

- a) Surface configuration of ocean floor- continental shelf, continental slope, abyssal plain and trenches.
- b) Relief of Atlantic, Pacific and Indian oceans.

Unit- III : Temperature and Salinity of Oceans and Circulation of Oceanic Waters:

- a) Distribution of temperature and salinity of oceans and seas.
- b) Circulation of oceanic waters-waves, tides and currents. Currents of Atlantic, Pacific and Indian Oceans.

Reference Books –

- १) Anikouchine, W. A. and Sternberg, : The World Oceans- An Introduction to Oceanography, Englewood Cliffs, N. J.
- २) Grald, S. : General Oceanography- An Introduction, John Wiley & Sons, New York.
- ३) Garrison, T. Oceanography, Wadsworth. USA.
- ४) King, C.A.M. : Beaches and Coasts, E. Arnold, London.
- ५) King, C.A. M. : Oceanography for Geographers E. Arnold, London.
- ६) Sharma, R. C. Vatel M.: Oceanography for Geographers. Chetnya Publishing House Allahabad.
- ७) Shepard, F.P. : Submarine Geology, Harper & Sons, New York.
- ८) Thurman, H. B.: Introductory Oceanography, Charles Webber E. Merrill publishing
- ९) Weisberg J. and Howard: Introductory Oceanography, McGraw- Hill Book ,New York.
- १०) दाते, सु. प्र. आणि दाते, संजिवनी.: प्राकृतिक भूगोल, विद्या प्रकाशन नागपूर
- ११) डॉ. शेटे, एस. टी.: हवामानशास्त्र व सागरविज्ञान, अभिजीत पब्लिकेशन, लातूर
- १२) धारपुरे, विठ्ठल : सागरविज्ञान, पिंपळापूरे प्रकाशन, नागपूर.
- १३) कोलते, भोयर, पुरानिक, कुबडे. : भूगोलशास्त्राची मुलतत्वे,
- १४) प्रा.रजनी देशमुख, प्रा.कल्पना देशमुख, प्रा.सिमा सावरकर, प्रा.साधना भेंडकर : हवामानशास्त्र व सागरशास्त्र, विद्या प्रकाशन, नागपूर.

B. A. First Year
Subject- Geography
Semester- II
Paper- IV
Biogeography

Unit- I : Biogeography- Its Field and Function:

- a) Biogeography as a branch of physical geography
- b) Definition, nature and scope of biogeography.

Unit- II : The Biosphere- The World of Living Things:

- a) The nature of biosphere, elements of biosphere and cycles of biosphere (energy, water and chemical cycles)
- b) Concept, functions and types of ecosystem.

Unit- III : Plants and Animals :

- a) Influence of environment on plants and animals
- b) Classification of plant and animals.
- c) Distribution of plants and animals.

Unit- IV : Biodiversity :

- a) Concept of biodiversity and its importance.
- b) Depletion of biodiversity-natural and man induced causes
- c) Conservation of biodiversity.

Reference Books:

- 1) Robinson, H. : Biogeography, Macdonald and Evans Ltd. London.
- 2) Agarwal, D. P.: Man and Environment in India Through Ages.
- 3) Bradshaw, M. J. : Earth and Living Planet, ELBS London.
- 4) Cox, C.D. and Moore, P.D. : Biogeography ; An Ecological and Evolutionary approach 5th edn. Blackwell.
- 5) Gaur, R. : Environment and Ecology of Early man in Northern India, R. B. Publication Corporation.
- 6) Hoyt. J.B. : Man and the Earth, Prentice Hall, U.S.A.
- 7) Huggett. R. J. : Fundamentals of Biogeography, Routledge, U.S.A.
- 8) Illies, J: Introduction to Zoogeography, McMillan, London.
- 9) Khoshoo, T. N. and Sharma, M. (eds): Indian Geosphere- Biosphere, Har-Anand Publication, Delhi.
- 10) Lapedes, D.N. (ed) : Encyclopedia of Environmental Science, McGraw Hill.
- 11) कमला प्रसाद : पर्यावरणीय अध्ययन, राजेश पब्लिकेशन्स, नवी दिल्ली.
- 12) डॉ. धारपुरे, विठ्ठल : जैविक भूगोल, पिंपळापुरे प्रकाशन, नागपूर.
- 13) डॉ. एस. टी. शेटे, डॉ. एन. जी. माळी, डॉ. व्ही. सी. दंडे, डी. एस. शिरुरे, आर. एम. मुगावे: जैविक भूगोल, अरुणा प्रकाशन, लातूर.

B. A. First Year
Subject- Geography
Practical- I
Semester- I & II

Unit- I : a) Representation of Scale:

- I) Verbal/Statement Scale
- II) Numerical Scale, R.F.
- III) Linear/Graphical Scale

b) Conversion of Scale:

Verbal to Numerical, Numerical to Verbal

c) Construction of Scale:

- i) Simple Scale
- ii) Time and Distance Scale
- iii) Diagonal Scale

Unit- II : a) Methods of Showing Relief Features:

Hachures, Form lines, Hill shading, Layer tints, Spot Height, Bench mark, Trig. Point and Contours.

b) Representation of Landforms by Contours-

Conical Hill, Plateau, Ridge, Pass, Cliff, 'V' Shaped Valley, 'U' Shaped Valley, Spur and Slope Types.

Unit-III : Study of Survey of India Topographical Maps:

- a) Conventional signs and symbols
- b) Interpretation of SOI topographical sheets of hilly, plateau and plain areas.

Reference Books:

1. Khan, S.A. : Text Book of Practical Geography.
2. Mishra, R.P. & Ramesh, A. : Fundamentals of Cartography.
3. Monkhouse, F.J. & Wilkinson, H.R. : Maps and Diagrams.
4. Singh R.L. : Elements of Practical Geography.
5. शर्मा जे. पी.: प्रायोगिक भूगोल
6. डॉ. अर्जुन कुंभार : प्रात्यक्षिक भूगोल
7. डॉ. अहिरराव, डी. वाय. व प्रा. करंजखेले इ. के.: प्रात्यक्षिक भूगोल
8. डॉ. नागतोडे, लांजेवार : नकाशाशास्त्र व प्रात्यक्षिक भूगोल, पिंपळापूरे पब्लीशर्स, नागपूर.