

NORTH MAHARASHTRA UNIVERSITY, JALGAON.

F.Y.B.A. Geography Syllabus. to be introduced

From June, 1992.

Course - Geography.1. PHYSICAL GEOGRAPHY.

SECTION I

Unit No.	Units	Sub-Units.	Periods
1.	Origin and Evolution of the Earth and Solar System.	A) Monistic Hypothesis i) E.Kant, ii) Laplace. B) Dualistic Hypothesis. James Jeans and Jeffery. C) Recent Views. i) Otto slimidt ii) Bigbang.	4.
2.	Imaginary lines & Movements of the Earth.	A) Axis of the Earth, Parallels of Latitudes Meridians of longi- tudes, Great Circles. B) Rotation and its effects Determination of local time, Standard time & Internation Date line C) Revolution and its effects. i- Inequality of Day and Night; ii- Seasons. iii- Twilight.	8.
3.	Eclipses.	Lunar and Solar and their types.	4.
4.	Measurement of Time and calendars.	A) Day: Solar, Sidereal, Lunar Month: Solar, Sidereal, Lunar Year: Solar, Sidereal, Lunar. B) Calendars. i- The Hindu Calendar. ii- The Gregorian Calen. iii- The Muslim Calendar. iv- The Parsi Calendar. v- Indian National Calendar.	8

Unit No.	Unit	Sub-Units	Periods.
5	The distribution of Land and water on the Earth.	A- Characteristics & Layout. B- Theories. i- Wegener's Continental Drift theory. ii- Plate Tectonic theory.	6.
6.	Lithosphere	A- Interior of the Earth. B- Material of the Earth's crust: Rocks, their types, their uses, with Indian examples. C) Movements of the Earth's crust. i- Diastrophism - Vertical & Horizontal Movements.	10.
7.	Processes of denudation.	A- Weathering - Definition, types, effects and differences between weathering & Erosion. B- Work of Running water C- Work of wind. D- Work of Seawaves.	Three fold work and Resulting land forms. 8.
<u>Section II Atmosphere and Hydrosphere-</u>			
8.	Atmosphere.	A - Structure and Composition of Atmosphere. B - Elements of Weather & climate, their controlling factors	8.
9.	Insolation	A - Factors affecting the distribution of Insolation. B - Distribution of Temperature: i - Vertical ii - Horizontal Distribution of Temperature & Inversion of Temperature.	10.
10.	Atmospheric Pressure, and Winds.	A) Origine and distribution belts, shifting of Pressure belts & their effects. B) winds, Planetary, Periodical & Local	10.
11.	Humidity & Precipitation:	A) Types of humidity and Absolute & Relative. B) Process of Condensation and their types.	8.

12. Hydrosphere.

- A) Submarine relief of Pacific, Atlantic & Indian Ocean.
- B) Properties of ocean water. Temperature & salinity. their distribution.
- C) Movements of Ocean water. Ocean currents (1) Origine & their circulation & effects. in Atlantic, Pacific & Indian Ocean.

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BOOKS :

- 1) Physical Geography - A.M. Stratler,
- 2) Physical Geography - P. Lake
- 3) Principles of Physical Geography. - Monkhouse.
- 4) Morphology & Landscapes - H.R. Robinson.
- 5) Introduction to climate - Trewartha.
- 6) Oceanography. - T.P. Shephard.

Structure at M.A./M.Sc. in Geography to be introduced from June, 1992.

M.A./M.Sc. Junior - Part I  
Semester - VII.

- 1) Principles of Economic Geography.
- 2) Principles of Population & Settlement Geography.
- 3) Environmental Science.
- 4) Physical & Regional Geography of India.
- 5) Practicals in Human Geography.

Semester VIII.

- 1) Principles of Geomorphology.
- 2) Principles of Climatology.
- 3) Statistical Methods.
- 4) Regional Geography of U.S.A./Japan?
- 5) Practicals in Physical Geography.
  - i) Geomorphology.
  - ii) Climatology.
  - iii) Tour Report.

M.A./M.Sc. Senior - Part II.  
Semester IX.

- 1) Fluvial Geography/Synoptic Climatology/Agricultural Geog./Population Geography.
- 2) Coastal Geomorphology/Applied climatology/Geography of trade & transport/Geography of Rural settlement.
- 3) Practicals: Interpretation S.O.I./U.K./U.S.A./Topographical maps & Village survey/Project work.
- 04) Geography of Resources/Political Geography.
- 05) Geography of Economic development/Medical Geography/Bio-Geography.

Semester - X.

- 1) Tropical Geomorphology/Monsoon climatology/Industrial Geography/Urban Geography.
- 2) Regional Planning/Desertation.
- 3) Practicals: A) Interpretation of Aerial Photographs and Landsat imageries.  
B) Surveying: Dumpy level & Theodolite.
- 04) Soil Geography/Hydrology/Development of Geographical thoughts.
- 05) Application of Computer in Geog./Geography of Tourism.

\* C= Departmental.

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