

अंतरी पेटवू ज्ञानज्योत



**NORTH MAHARASHTRA UNIVERSITY**

**JALGAON**

Syllabus

**GEOGRAPHY**

F.YB.A.

**SEMESTER- I**

PHYSICAL GEOGRAPHY - I  
(LITHOSPHERE)

**SEMESTER -II**

PHYSICAL GEOGRAPHY - II  
(Atmosphere & Hydrosphere)

( w.e.f. June 2009 )

**NORTH MAHARASHTRA UNIVERSITY, JALGAON**

Syllabus

F.Y.B.A.

**SEMESTER – I**

**PHYSICAL GEOGRAPHY - I  
( LITHOSPHERE)**

( W.E.F. JUNE 2009)

Unit No.	Topic	Sub Topic	Periods
I	Imaginary Lines and movements of the earth	(A) Imaginary Lines and movements of the earth 1. Earth :- Latitudes and Longitudes. 2. Axis of the Earth 3. Parallels of Latitudes 4. Meridians of Longitudes (B) Rotation and its effects. 1. Determination of Local time 2. Standard Time and International Date line (C) Revolution and its effects. 1. Inequality of day and night. 2. Season 3. Determination of Tropic of cancer and Tropic of Capricorn.	12
II	Distribution of continents and ocean.	Theories of distribution of continents and ocean. 1. Wagener's continental Drift Theory. 2. Plate Tectonic Theory.	08
III	Lithosphere	A) Interior of the Earth. 1. The Earth's crust a) Sial b) Sima 2. The Mohorovicic discontinuity. 3. The Earth's Mantle. 4. The Earth's Nife ( core ) B) Rocks	14

		1. Definition 2. Classification according to their formation. Igneous, Sedimentary and Metamorphic rocks with Examples. C) Earth Movements. 1. Folds and Faults – Block Mountain Rift valley 2. Earth quakes Definition causes and Effects.	
IV	Process of denudation	(A) Weathering – Definition Types a. Mechanical b. Chemical c. Biological (B) Three fold work and associates land forms of (a) River b) Wind c) Sea waves d) Glaciers	16

#### Weightage of Marks

Unit No	Marks
I	10
II	08
III	12
IV	10
Total Marks	40

#### Reference Books :

1. Monkhouse : J.(1971) "Principles of Physical Geography University of London Press Ltd".
2. Strahler A.N. ALAN H. Strahler ( 1978) " Modern Physical Geography John Wiley and sons New York.
3. Trewartha – Robinson Hammond ( 1967) " Physical Elements of Geography"
4. McGraw Hill book company, New York.
5. दाते सु.प्र., सौ.संजीवणी दाते(१९७०) प्राकृतीक भूविज्ञान, रावील पब्लिकेशन सातारा.
6. कोलते, भोयर, पूराणीक, सौ. कुबडे(१९९१) भूगोल शास्त्राची मूलतत्वे, विद्याप्रकाशन, नागपूर.
7. चौधरी, शिंदे, चव्हाण, देशमुख(१९९४) भूगोल शास्त्राची मूलतत्वे, हिमालय पब्लिकेशन हाऊस, मुंबई.
8. डॉ. व्ही. टी. घारपूर, प्राकृतीक भूगोलाची मूलतत्वे, पिंपळपूर आणि कंपनी पब्लिशर्स, नागपूर.
9. वा. र. अहिरराव, प्रा. डॉ. सुरेश अलिझाड, प्राकृतीक भूगोल, निराली प्रकाशन, पुणे.
- १० डॉ. शंकर रा. चौधरी, डॉ. एम. बी. चव्हाण, प्राकृतीक भूगोल, प्रशांत पब्लिकेशन, जळगांव.

**NORTH MAHARASHTRA UNIVERSITY, JALGAON**

Syllabus

F.Y.B.A.

**SEMESTER - II**

**PHYSICAL GEOGRAPHY - II**

**(Atmosphere & Hydrosphere)**

( w.e.f. June 2009)

Unit No.	Topic	Sub Topic	Periods
I	Atmosphere	i) Definition ii) Structure a) Troposphere b) Stratosphere c) Ionosphere iii) Composition	06
II	Insolation	Insolation i) Definition ii) Temperature - Horizontal and vertical distribution of Temperature iii) Inversion of Temperature	12
III	Atmospheric pressure and winds	i) Pressure Belts : a) Formation of pressure belts. b) Shifting of pressure Belts and their effects. ii) Winds : a) Planetary b) Monsoon c) Local wind : land and sea breezes. iii) Cyclones and Anticyclones.	08
IV	Moisture in Atmosphere	i) Evaporation ii) Humidity : Types a) absolute b) Relative iii) Condensation : Saturation, Dew point iv) Precipitation : Snow, Hail and Rainfall.	08

		<ul style="list-style-type: none"> <li>v) Types of Rainfall <ul style="list-style-type: none"> <li>a) Conventional</li> <li>b) Orographic</li> <li>c) Cyclonic.</li> </ul> </li> </ul>	
V	Hydrosphere	<ul style="list-style-type: none"> <li>i) Sub-marine Relief : <ul style="list-style-type: none"> <li>a) General structure of ocean Floor</li> <li>b) Submarine Relief of Indian ocean.</li> <li>c) Submarine Relief of Atlantic ocean.</li> </ul> </li> <li>ii) Movements of ocean water. <ul style="list-style-type: none"> <li>a) Ocean currents. <ul style="list-style-type: none"> <li>i) Causes of Formation</li> <li>ii) Ocean currents in Atlantic ocean.</li> <li>iii) Effects of ocean currents.</li> </ul> </li> </ul> </li> <li>iii) Tides - <ul style="list-style-type: none"> <li>a) Definition</li> <li>b) Types <ul style="list-style-type: none"> <li>i) Spring Tides</li> <li>ii) Neap Tides</li> </ul> </li> <li>c) Ocean Deposits : Types <ul style="list-style-type: none"> <li>i) Terrigenous Deposits</li> <li>ii) Pelagic Deposits</li> <li>iii) Mud.</li> </ul> </li> </ul> </li> </ul>	16

#### Weightage of Marks

Unit No	Marks
I	06
II	08
III	08
IV	06
V	12
<b>Total Marks</b>	<b>40</b>

## Reference Books :

1. Monkhouse : .J.(1971) "Principles of Physical Geography University of London Press Ltd"
2. Strahler A.N.ALAN H.Strahler ( 1978) " Modern Physical Geography John Wiley and sons New York.
- 10.Trewartha - Robinson Hammond ( 1967) " Physical Elements of Geography"
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13. कोलते, भोयर,पूराणीक,सौ.कुबडे(१९९१) भूगोल शास्त्राची मूलतत्त्वे, विद्याप्रकाशन, नागपूर.
14. चौधरी, शिंदे, चव्हाण,देशमुख(१९९४) भूगोल शास्त्राची मूलतत्त्वे, हिमालय पब्लिकेशन हाऊस, मुंबई.
15. डॉ.व्ही.टी.घारपूरे, प्राकृतीक भूगोलाची मुलतत्त्वे, पिंपळपूरे आणि कंपनी पब्लीशर्स, नागपूर.
16. वा.र.अहिरराव, प्रा.डॉ.सूरेश अलिझाड, प्राकृतीक भूगोल, निराली प्रकाशन , पूणे.
- १० डॉ.शंकर रा.चौधरी, डॉ.एम.बी.चव्हाण, प्राकृतीक भूगोल, प्रशांत पब्लिकेशन , जळगांव.

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