

Syllabi of B.A.Part-II  
 Semester-III  
 Subject : Geography  
 Paper : CLIMATOLOGY  
 (Implemented from 2018-2019 Session)

The Examination in Geography will comprise of three head, One Theory paper, Internal Assessment and one Practical. The Theory paper shall be of Three Hours duration and shall carry 50 Marks, the Internal Assessment shall carry 20 Marks and the practical examination shall be of Three Hours duration and shall carry 30 marks The following syllabus is prescribed on the basis of five lectures per week and one practical of two periods for each batch 16 students.

**Theory**

50 Marks  
(10 Marks Per Unit)

- Unit-I** Definition and Significance of Climatology, Weather and Climate, Elements of Weathers and Climate
- Unit-II** Composition and Structure of the Atmosphere, Atmospheric temperature: Distribution of Temperature, Factor affecting the distribution of Temperature, Range of Temperature.
- Unit-III** Atmospheric Pressure: Vertical, horizontal and seasonal distribution of pressure winds: planetary, periodic and local
- Unit-IV** Atmospheric moisture: humidity, evaporation and condensation, Forms of precipitation, Types of Rainfall.
- Unit-V** Atmospheric pollution and Global warming: general causes, consequences and measures of control.

**Practical**

30 Marks

<b>Unit-I</b> ) Construction of Scale : i) Simple, ii) Comparative Scale	10 Marks
<b>Unit-II</b> ) Study of Indian daily Weather reports of three Season	10 Marks
Practical Record	05 Marks
Viva	05 Marks

**Internal Marks Distribution (20 Marks)**

- |                    |          |
|--------------------|----------|
| 1) Home Assignment | 10 Marks |
| 2) Viva-Voce       | 10 Marks |

\*\*\*\*\*

**DEPARTMENT OF GEOGRAPHY**  
**CERTIFICATE**

Name of the College : \_\_\_\_\_

This is to Certify that, this Practical Records is the Bonsai Practical Work of Shri / Ku.

\_\_\_\_\_ during the Academic

Year \_\_\_\_\_,

Class :

Dated :

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

Signature of the Teacher

who taught the Examinee

Head of the Department

Note : In absence of Certified Practical Record Book, Examinee will not be allowed to appear for the Practical Examination.

**Books Recommended :**

- 1) Ahirrao W. R., Alizad S. S. & Dhapte C. S. : Climatology and Oceanography , Nirali Publication, Pune 1997
- 2) Barry R.G. & Chorly R.J. : Atmosphere, Weather and Climate. Routledge. 1998
- 3) Critchfield, H. : General Climatology, Prentice- Hall, New York. 1975
- 4) Das, P.K. : The Monsoons, National Book Trust, New Delhi. 1968
- 5) Mather, J.R. : Climatology, McGraw- New York. 1974
- 6) Stringer, E.T. : Foundation of Climatology, Sureet Publication, Delhi. 1982
- 7) Trewartha, G.T. : An Introduction to Climate, International Students edition, McGraw- New York. 1980
- 8) पर्यावरण अभियान : भूविज्ञान, साहित्य अनन्य प्रकाशन संस्था.
- 9) अभियंत्र द्वितीय : अभियंत्र भूगोल, गतिशील प्रकाशन, जयपुर
- 10) डॉ. डि. पी. उमाधारण वर्ष डॉ. गगांधर ठिकेन : जलालदूर विज्ञान व तकनीक, विज्ञान, प्रकाशन, बांगलादेश.
- 11) ठिकेन गविन्दर : भूविज्ञान विज्ञान गति प्रकाशन वाराणसी १९७८.
- 12) विज्ञान अख. एस. : अभियंत्र भूगोल, कठगांव गतिशील प्रकाशन, बैरांग
- 13) डॉ. ठिकेन वारपुरे : हवामानशास्त्र, प्रिपलाप्पै प्रकाशन, जयपुर
- 14) डॉ. ठिकेन वारपुरे : भूगोल परिवर्त्य, प्रिपलाप्पै प्रकाशन, जयपुर
- 15) डॉ. डि. एस. गजबंग व डॉ. पाण्डे यु. वी. : हवामानशास्त्र अभियंत्र गतिशील विज्ञान, बिहार विद्यालय अभियंत्र संस्था बैरांग
- 16) पा. दाते, सु. प. व श्री. दाते स.सु. : प्राकृतिक भूविज्ञान, गवित प्रकाशन सातारा.
- 17) पा. प्र. आ. जागतोडे. : हवामानशास्त्र म. वि. ग. नि. म. , जागपूर.
- 18) पा. के. ए. खट्टीब : हवामान परिवर्त्य मेहता प्रिलिंकेशन हाऊस पुणे.
- 19) पा. आगवत अ. वि. अभियंत्र प्रा. कालेक्टर श्री. ना. : भूविज्ञान, जलावरण व वातावरण.
- 20) पा. गुरु शीदार, प्रा. तायडे मोहन व प्रा. मंगर : प्राकृतिक भूगोल भाग १ भाग २ गो. वा. गो. प्रकाशन पुणे
- 21) सरठी ए. वी. हवामानशास्त्र सागरशास्त्र, निराली प्रकाशन, पुणे
- 22) सरवेजना उमेश किशोर. : मानवित्र विज्ञान एवं प्रयोगात्मक भूगोल.
- 23) जे. पी. शर्मा : प्रायोगिक भूगोल, स्तरोन्ति प्रिलिंकेशन, शिवाजी रोड मेरठ - २००२.
- 24) अर्जुन कुमार : प्रात्याक्षिक भूगोल, सुमेरु प्रकाशन डॉविलती पूर्व १९९८.

\*\*\*\*\*

B.A. Part-II  
(Semester-IV)  
Subject : Geography  
Paper : OCEANOGRAPHY

The Examination in Geography will comprise of three head, One Theory paper, Internal Assessment and one Practical. The theory paper shall be of Three Hours duration and shall carry 50 Marks, the Internal Assessment shall carry 20 Marks and the Practical Examination shall be of Three Hours duration and shall carry 30 Marks The following syllabus is prescribed on the basis of Five Lectures per week and One Practical of Two Periods for each batch 16 students.

Theory

50 Marks  
(10 Marks Per Unit)

- Unit-I** Definition,Nature& Scope of Oceanography.Significance of Ocean.
- Unit-II** Surface configuration of the ocean floor: continental shelf,Continental slope, Abyssal Plain,mid-oceanic and oceanic trenches. Relief of Atlantic,Pacific and Indian Oceans.
- Unit-III** Distribution of temperature of Oceans and Seas. Distribution of salinity of Oceans and Seas
- Unit-IV** Circulation of oceanic water: waves, tides and currents; currents of the Atlantic, Pacific and Indian Oceans.
- Unit-V** Marine deposits and coral reefs.

Practical

30 Marks

- |  |          |
|--|----------|
| <b>Unit-I</b> Plain-table survey : Radiation and Inter- Section Resection Method.    | 10 Marks |
| <b>Unit-II</b> Statistical Methods : Standard Deviation & Correlation of Coefficient | 10 Marks |

Practical Record

05 Marks

Viva

05 Marks