

SOLAPUR UNIVERSITY, SOLAPUR

Faculty of Science

Semester Pattern Syllabus

Sub:- Geography

Class :- B.Sc Part –I

(w.e.f. June 2010)

SEMESTER –I

Paper Title: - PHYSICAL GEOGRAPHY – GEOMORPHOLOGY (Part-I)

PAPER- I

To be implement from, June-2010

Code No: - SG-1

per week Lectures: -5

Course No: -SOG-101-S-1

Total Marks: - 50

Objectives –

To introduce the latest concept in Physical Geography, essentially Geomorphology to the student of Geography in brief, but in adequate manner. Along with this application of subject knowledge to the society.

Unit No.	Contents	Total Lectures
1	Defination, Nature, Scope and Importance of Geomorphology	08
2	a) Interior of the Earth b) Continental Drift – Wegner’s Theory	12
3	Earth’s Movements – Orogenic & Eperogenic causes and effects with example.	12
4	Disasters – Earthquake & Volcanoes causes, effects & their distribution. Management for these disasters.	08

List of Reference Books

1. Chorley R.J. :- Spatial Analysis in Geomorphology, Meathum, Londen1972.
2. Cooke R.U. & Doornkamp J.C. :- Geomorphology in Environmental Management An introduction clavendon, Oxferd,1974
3. Dayal P.A. :- Text book of Geomorphology, Shukla Book Depot,Patna,1996.
4. Fair Bridge R.W. :- Encyclopedia of Geomorphology, Reinholots, New York,1968.
5. Kale V. & Gupta A. :- Elements of Geomorphology, Oxford University Press, Calcutta
6. Pitly A.F. :- Introduction of Geomorphology, Meathum, Londen1974
7. Singh S. :- Geomorphology, Prayag Pustakalay, Allahabad,1998
8. Spark B.W. :- Geomorphology, Longman, Londen, 1960
9. Thornbury W.D. :- Principal of Geomorphology, Waley Estern , 1969.
10. Woodridge S.W. & Morgen R.S. :- The Physical basis of Geography an out time of Geomorphology, Longman Green & Coup London, 1954.

SOLAPUR UNIVERSITY, SOLAPUR

Faculty of Science

Semester Pattern Syllabus

Sub:- Geography

Class :- B.Sc Part –I

SEMESTER –I

Paper Title: - PHYSICAL GEOGRAPHY – CLIMATOLOGY

PAPER -II

To be implement from, June-2010

Code No: - SG-1

Course No: -SOG-101-S-1

per week Lectures: -5

Total Marks: - 50

Objectives –

1. To know the constituents of atmosphere its dynamic nature and the process associated with it.
2. To know the contribution of atmosphere in making the Earth habitable & also help to know climatic differentiation on the earth.
3. To consequences of human activities on atmospheric process.

Unit No.	Contents	Total Lectures
1	Defination, Nature, Scope and Importance of Climatology	06
2	Atmosphere :- Composition & Structure, Definition and Elements of Weather & Climate Factors affecting on Climate & Role in living habitation on earth	12
3	Insolation, Solar Constant – factors affecting the insolation, distribution of Insolation, Global heat budget, Temperature – Factors affecting the distribution of temperature, Vertical & Horizontal distribution	14
4	Atmospheric pressure and winds, Vertical and Horizontal distribution of pressure, Pressure belts and Planetary winds.	08

List of Reference Books

1. Berry R.G. & Chorely P.J. :- Atmosphere, Weather and Climate, Roufledge Longman & New York, 1998.
2. Critchfield J.H. :- General Climatology, Printice Hall India, New Delhi, 1993.
3. Lal D.S. :- Climatology, Chaitan publication, 1986.
4. Mathur G.R. :- Climatology, Mc Graw Hill New York.
5. Miller A. :- Climatology.
6. Triwartha G.T. :- An Introduction to Climate, International Studies Edition, Mc Graw Hill, New York, 1997.
7. Thomoson R.D. & Perry A. :- Applied Climatology, Principal and Practice, Routedge London, 1997.
8. Majid Hussain :- Physical Geography, Rawat Publication,Jaipur

SOLAPUR UNIVERSITY, SOLAPUR

Faculty of Science

Semester Pattern Syllabus

Sub:- Geography

Class :- B.Sc Part -I

SEMESTER –II

Paper Title: - PHYSICAL GEOGRAPHY – GEOMORPHOLOGY (Part-II)

PAPER- III

To be implement from, June-2010

Code No: - SG-1

per week Lectures: -5

Course No: -SOG-101-S-1

Total Marks: - 50

Objectives –

To introduce the latest concept in Physical Geography, essentially Geomorphology to the student of Geography in brief, but in adequate manner. Along with this application of subject knowledge to the society.

Unit No.	Contents	Total Lectures
1	Rocks- Origin, Classification & Characteristics of Rocks.	08
2	Weathering- Types, Effects of Weathering	12
3	Concepts of cycle of erosion- Rivers, Winds & landforms associated with them	12
4	Impact of cycle of Geomorphological environment on settlement, agricultural & surface transportation	08

List of Reference Books

1. Chorley R.J. :- Spatial Analysis in Geomorphology, Meathum, Londen1972.
2. Cooke R.U. & Doornkamp J.C. :- Geomorphology in Environmental Management An introduction clavendon, Oxferd,1974
3. Dayal P.A. :- Text book of Geomorphology, Shukla Book Depot,Patna,1996.
4. Fair Bridge R.W. :- Encyclopedia of Geomorphology, Reinholots, New York,1968.
5. Kale V. & Gupta A. :- Elements of Geomorphology, Oxford University Press, Calcutta
6. Pitly A.F. :- Introduction of Geomorphology, Meathum, Londen1974
7. Singh S. :- Geomorphology, Prayag Pustakalay, Allahabad,1998
8. Spark B.W. :- Geomorphology, Longman, Londen, 1960
9. Thornbury W.D. :- Principal of Geomorphology, Waley Estern , 1969.
10. Woodridge S.W. & Morgen R.S. :- The Physical basis of Geography an out time of Geomorphology, Longman Green & Coup London, 1954.

SOLAPUR UNIVERSITY, SOLAPUR

Faculty of Science

Semester Pattern Syllabus

Sub:- Geography

Class :- B.Sc Part –I

SEMESTER –II

Paper Title: - PHYSICAL GEOGRAPHY – Oceanography

PAPER -IV

To be implement from, June-2010

Code No: - SG-1

per week Lectures: -5

Course No: -SOG-101-S-1

Total Marks: - 50

Objectives –

1. To know the coastal processes of Ocean.
2. To study the Ocean resources & their diversification.

Unit No.	Contents	Total Lectures
1	Definition & importance of Oceanography- surface configuration of ocean floors	10
2	Temperature: Factors affecting on distribution of temperature & Salinity of Ocean water- distribution of temperature & Salinity of Ocean & seas.	12
3	Circulation of Ocean water, waves, tides & ocean currents- Pacific, Atlantic & Indian Ocean currents only	10
4	Ocean deposits & coral reefs- Types & Theories.	08

List of Reference Books

1. Hussain M Climatology & Oceanography
2. Davis Richard J. A. Oceanography- An Introduction To The Marine Environment. WMC Broth Flowa, 1987
3. Grald S: General Oceanography - An Introduction Johan Waley & Sons, New York
4. Garrison T: . Oceanography Waveland Company U. S. A. 1998
5. Majid Hussain : Physical Geography, Rawat Publication, Jaipur.
6. Sharma R C & Vatel M : Oceanography For Geographer, Chetanya Publishing House, Allahabad, 1970



Solapur University, Solapur
Nature of Question Paper For Semester Pattern
• **Faculty of Science**
(w.e.f. June 2010)

Time :- 2 hrs.

Total Marks-50

Q. No.1) Multiple choice questions. (10)

- 1) -----
a) b) c) d)
- 2)
- 3)
- 4)
- 5)
- 6)
- 7)
- 8)
- 9)
- 10)

Q.No.2) Answer any Five of the following (10)

- i)
- ii)
- iii)
- iv)
- v)
- vi)

Q.No.3) A) Answer any Two of the following (06)

- i)
- ii)
- iii)

B) Write the Answer/Solve/Problem/Note (04)

Q.No.4) Answer any Two of the following (10)

- i)
- ii)
- iii)

Q.No.5) Answer any Two of the following (10)

- i)
- ii)
- iii)

1. Structure of the courses :-

- A) Each paper of every subject for Arts, Social Sciences & Commerce Faculty shall be of 50 marks as resolved by the respective faculties and Academic Council.
- B) For Science Faculty subjects each paper shall be of 50 marks and practical for every subject shall be of 50 Marks as resolved in the faculty and Academic Council.
- C) For B. Pharmacy also the paper shall be of 50 marks for University examination. Internal marks will be given in the form of grades.
- D) For courses which were in semester pattern will have their original distribution already of marks for each paper.
- E) For the faculties of Education, Law, Engineering the course structure shall be as per the resolutions of the respective faculties and Academic Council.

2. Nature of question paper:

A) Nature of questions.

“20% Marks - objectives question” **(One mark each and multiple choice questions)**

“40% Marks - Short notes / Short answer type questions / Short Mathematical type questions/ Problems. **(2 to 5 Marks each)**

“40% Marks - Descriptive type questions / Long Mathematical type questions / Problems. **(6 to 10 Marks each)**

- B) Objective type question will be of multiple choice (MCQ) with four alternatives. This answer book will be collected in first 15 minutes for 10 marks and in first 30 minutes for 20 marks. Each objective question will carry one mark **each**.
 - C) Questions on any topic may be set in any type of question. All questions should be set in such a way that there should be permutation and combination of questions on all topics from the syllabus. As far as possible it should cover entire syllabus.
 - D) There will be only five questions in the question paper. All questions will be compulsory. There will be internal option **(30%)** and not overall option. **for questions 2 to 5.**
3. Practical Examination for B. Sc. I. will be conducted at the end of second semester.
4. Examination fees for semester Examination will be decided in the Board of Examinations.

The structures of all courses in all Faculties were approved and placed before the Academic Council. After considered deliberations and discussion it was decided not to convene a meeting of the Academic Council for the same matter as there is no deviation from any decision taken by Faculties and Academic Council. Nature of Question Paper approved by Hon. Vice Chancellor on behalf of the Academic Council.