

# **SHIVAJI UNIVERSITY, KOLHAPUR.**



**B**

**Accredited By NAAC  
(2009)**

**New/Revised Syllabus For  
Bachelor/Master of**

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**B.A. Part III (Spl.) Geography**

**Sem. - V Paper - VII,**

**Physical Geography of India.**

**Syllabus to be implemented from June- 2012 onwards.**

A] **Ordinance and Regulations:-**  
(as applicable to degree/program)

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B] **Shivaji University, Kolhapur**  
New/Revised Syllabus For  
**Bachelor of—Arts.**

1. **TITLE: Subject –Physical Geography of India.**  
**Optional/Compulsory/Additional/IDS under the Faculty of –Social Science---**

2. **YEAR OF IMPLEMENTATION:** - New/Revised Syllabi will be implemented from June \_2012 onwards.

3. **PREAMBLE:-**

[**Note:** - The Board of Studies should briefly mention foundation, core and applied components of the course/paper. The student should get into the prime objectives and expected level of study with required outcome in terms of basic and advance knowledge at examination level.]

4. **GENERAL OBJECTIVES OF THE COURSE/ PAPER/:**  
(As applicable to the Degree /Subject- Paper concerned)

- 1) To acquaint the students with distinct dimensions of India.
- 2) To understand the physical setup of the country.
- 3) To focus the climate of India and mechanism of monsoon of India.
- 4) To get information about soils in India.
- 5) To get information about vegetation in India.

5. **DURATION**

- The course shall be a full time course.
- The duration of course shall be of Three years, as applicable to the respective degree.

6. **PATTERN:-**

Pattern of Examination will be Semester.

7. **FEE STRUCTURE :-**  
As per Government /University rules

[**Note:** - In case of any New degree/Program **started** at university/college, the respective colleges/ Dept. should submit a separate **proposal of fee structure** to BOS office. (i. e. Tution Fee & Laboratory Fee, if any.)]

9. **ELIGIBILITY FOR ADMISSION:-**

As per eligibility criteria prescribed for respective degree program and the merit in the qualifying (i.e. Entrance Examination) examination, if any.

**10. MEDIUM OF INSTRUCTION:**

The medium of instruction shall be in English or Marathi. ( as applicable to the course/programme concerned.)

**11. STRUCTURE OF COURSE- 40+10=50**

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

**THIRD YEAR (SEMESTER V/VI) (NO.OF PAPERS-----)**

Sr.No.	Subjects/Papers	Theory	Internal	Total Marks
1.	Physical geography of India. Paper VII	40	10	50
2.		40	10	50
3.		40	10	50
4.		40	10	50
5.		40	10	50
6.		40	10	50
7.		40	10	50
8.		40	10	50
	<b>Total</b>			

**12. SCHEME OF TEACHING AND EXAMINATION:-**

[The scheme of teaching and examination should be given as applicable to the course/paper concerned.]

**THIRD YEAR / SEMESTER – V/ ---- --**

Scheme of Teaching and Examination

Sr. No.	Subject/Paper	Teaching Scheme (Hrs/Week)				Examination Scheme (Marks)		
		L	T	P	Total	Theory	Term Work	Total
1	Physical geography of India-Paper-VII	04	----	---	04	40	10	50
2								
3								
4								
5								
6								
7								

	Total							
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**13. SCHEME OF EXAMINATION :-**

- The examination shall be conducted at the end of each academic year for annual pattern and at the end of each term for semester pattern.
- The Theory paper shall carry 40 marks (as applicable to the course)
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 40 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

**14. STANDARD OF PASSING:-**

[As Prescribed under rules & regulation for each degree/programme.]

**15. Nature of Question paper**

As per Faculty of Social Sciences

**16. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)**

Sr.No.	Title of Old Paper	Title of New Paper
1.	Geography of India Paper IV	Physical Geography of India Sem V, Paper VII
2.		
3.		
4.		

**17. SPECIAL INSTRUCTIONS, IF ANY.  
NEW/REVISED SYLLABUS FOR**

**B.A. (Part III ) (Semester -V-)**

(Introduced from June \_2012 onwards)

**(i) Paper – VII**

**(ii) Title of Paper - Physical Geography of India.**

**(iii) Specific Objectives: -----**

**(iv) A brief note: - (On expected level of study from examination and assessment point of view):- -----**

**(v) UNIT**

**No. of Lectures**

**Unit 1 Location and Physiography**

**(No. of Lectures – 15)**

1.1Location of India: Absolute, Relative, and Strategic.

1.2Physiographic divisions of India and their characteristics and importance.

**Unit 2 Climate**

**(No. of Lectures – 15)**

2.1 Seasons in India and weather condition associated with them: summer, rainy, and winter,

### **Unit 3 Drainage patterns**

(No. of Lectures – 15)

- 3.1 Drainage patterns in India.
- 3.2 Important rivers in India. (Ganga, Brahmaputra, Narmada, Godavari, Krishna, Kaveri.)
- 3.3 Surface and Ground Water: distribution and utilization.
- 3.4 Concept of watershed development and conservation.

### **Unit 4 Soils and Natural Vegetations**

(No. of Lectures – 15)

- 4.1 Soils:
  - a) Types and Distribution.
  - b) Importance, Degradation, and conservations.
- 4.2 Natural vegetations:
  - a) Types and Distribution.
  - b) Importance, Degradation, and conservations of forests.

(vi) **Recommended Reading:**  
(In MLA/APA Style Sheet Format)

- a) Basic Reading :-
- b) Additional Reading :-
- c) References :-

- i) Books
- ii) Periodicals/Journals:

**1: Government of India: The Gazetteer of India, Vol. I and II, 1965**

**2: Deshpande C.D: India-A regional interpretation, 1992**

**3: Memoria C.B: Geography of India, 1986**

**4: Tirth Ranjeet: Geography of India, 1996**

**5: Sawant Prakash: भारताचा भूगोल २००५**

**6: Khatib K.A: भारताचा भूगोल २००५**

**7: Shinde S.B, Adsul : भारताचा भूगोल .**

**8:** Madhav Puranic: भारताचा भूगोल .२००५

**9:** Patil , Gaikwad , Advitote, Nanavaer, (2008) : भारताचा भूगोल

**(NOTE:**

- i) The details of field work, seminar, Group Discussion and Oral examination are given wherever necessary.
- ii) General/Specific instructions for Laboratory safety should be given wherever necessary

**Standard Format For**  
**Syllabus Framework**

# **SHIVAJI UNIVERSITY, KOLHAPUR.**



**B**

**Accredited By NAAC  
(2009)**

**Revised Syllabus For  
Bachelor of Arts**

**B.A. Part III (Spl.) Geography**

**Sem. V, Paper - VIII**

**Economic Geography**

**Syllabus to be implemented from June- 2012 onwards.**

A] **Ordinance and Regulations:-**  
(as applicable to degree/program)

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B] **Shivaji University, Kolhapur**  
Revised Syllabus For  
**Bachelor of Arts**  
  
**Sem. V, Paper VIII**

**1. TITLE : Economic Geography**

**Optional Subject under the Faculty of Science**

**2. YEAR OF IMPLEMENTATION:-** Revised Syllabi will be implemented from June 2012 onwards.

**3. PREAMBLE:-**

[**Note:-** The Board of Studies should briefly mention foundation, core and applied components of the course/paper. The student should get into the prime objectives and expected level of study with required outcome in terms of basic and advance knowledge at examination level.]

**4. GENERAL OBJECTIVES OF THE PAPER:**  
(as applicable to the Paper concerned)

- To Study the basic part of Economic Geography.
- . Student should get acquainted with the relationship of human activities, resources.
- To Study the core part of subject at global level.
- To study the global level situation and apply this knowledge at local level.
- The students should get thorough knowledge of regional resources.

**5. DURATION**

- The course shall be a full time course.
- The duration of course shall be of Three years, as applicable to the respective degree.

**6. PATTERN:-**

Pattern of Examination will be Semester.

**8. FEE STRUCTURE :-**

As per Government /University rules

[**Note :-** In case of any New degree/Program started at university/college, the respective colleges/ Dept. should submit a separate proposal of fee structure to BOS office. (i. e. Tution Fee & Laboratory Fee, if any.)]



**8. ELIGIBILITY FOR ADMISSION:-**

As per eligibility criteria prescribed for respective degree program and the merit in the qualifying examination, if any.

**9. MEDIUM OF INSTRUCTION:**

The medium of instruction shall be English or Marathi. (as applicable to the course/programme concerned.)

**10. STRUCTURE OF COURSE- 40 + 10 = 50**

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

**THIRD YEAR (SEMESTER V/VI) (NO.OF PAPERSVIII)**

Sr.No.	Subjects/Papers	Theory	Internal	Total Marks
1.	Economic Geography Paper-VIII	40	10	50
2.		40	10	50
3.		40	10	50
4.		40	10	50
5.		40	10	50
6.		40	10	50
7.		40	10	50
8.		40	10	50
	Total			

**11. SCHEME OF TEACHING AND EXAMINATION:-**

[The scheme of teaching and examination should be given as applicable to the course/paper concerned.]

**THIRD YEAR / SEMESTER – V**

Scheme of Teaching and Examination

Sr. No.	Subject/Paper	Teaching Scheme (Hrs/Week)				Examination Scheme (Marks)		
		L	T	P	Total	Theory	Term Work	Total
1	Economic Geography Paper-VIII	04	----	---	04	40	10	50
2								

3								
4								
5								
6								
7								
	Total							

**12. SCHEME OF EXAMINATION :-**

- The examination shall be conducted at the end of each academic year for Semester pattern and at the end of each term for semester pattern.
- The Theory paper shall carry 40 marks (as applicable to the course)
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 40 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

**13. STANDARD OF PASSING:-**

[As Prescribed under rules & regulation for each degree/program.]

**14. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:-**

(Unitwise weightage of marks should also be mentioned)

As per Faculty of Social Sciences

**15. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)**

Sr.No.	Title of Old Paper	Title of New Paper
1.	Economic & Urban Geography - Paper-V	Economic Geography Semester – V, Paper-VIII

**16. SPECIAL INSTRUCTIONS, IF ANY.**

NEW/REVISED SYLLABUS FOR  
**B.A. (Part III) (Semester -V-)**  
 (Introduced from June 2012 onwards)

(i) Paper – VIII

(ii) Title of Paper - **Economic Geography.**

Unit 1

Introduction to Economic Geography

(No. of Lectures 15)

- 1.1 Definitions & Meaning of Economic Geography
- 1.2 Scope of Economic Geography
- 1.3 Branches of Economic Geography
- 1.4 Approaches in Economic Geography

## **Unit 2**

### **Resources**

**(No. of Lectures – 15)**

- 2.1 Resource: concept & Types
- 2.2 Mineral Resources: World Production and distribution of Iron ore and Bauxite
- 2.3 Power Resources :World production and distribution of Conventional (Coal & Petroleum) & Non Conventional (Wind and solar energy).

## **Unit 3**

### **Manufacturing Industries**

**(No. of Lectures – 15)**

- 3.1 Factors of Industrial Localization.
- 3.2 Weber's Theory of industrial Location.
- 3.3 Cotton textile industry: U.K. & Japan.
- 3.4 Iron & Steel industry: U.S.A. & USSR.
- 3.5 Automobile Industry: U.S.A. & Japan.

## **Unit 4**

### **Transportation & International Trade**

**(No. of Lectures – 15)**

- 4.1 Significance of Transport Routes
- 4.2 Major International Railways & Ocean Routes
- 4.3 Mass Communication: Computer Network & Internet
- 4.4 International Trade: Bases and Nature.

## **(vi) Recommended Reading:**

## **References:**

1. Hartshorn, T.N. and Alexander, J.W. (1994)  
Economic Geography, prentice Hall, New Delhi.
2. H. Robinson (1978) : Economic Geography, Macdonaid & Evans.
3. Goh Chang & morgan, G.C. (1997)  
Human and Economic Geography, oxford University Press.
4. Boesch H. (1964) : A Geography of world Econimy"  
D. Van Nostrand co. New york.
5. Wheeler J.O. et.al (1995) : Economic Geography John wiely, New York.
6. Roborstson D (2001) : Globalization and Environment E. elgar CO.U.K.
7. Hamilton, I (1992) : Resources and Indurtry, Oxford University Press New York.
8. White H.P. and senior M.L. (1983) Transport Geography, Longman, London.

9. खतीब के.ए. - आर्थिक भूगोल, अजब प्रकाशन, कोल्हापूर
10. धारपूरे विठ्ठल - आर्थिक भूगोल, पिंपळापुरे अँड कं, नागपूर
11. सवदी, कोळेकर - आधुनिक भूगोल, निराली प्रकाशन, पुणे.
12. सवदी कोळेकर (2008) - भूगोलाची मुलतत्वे, खंड दुसरा, निराली प्रकाशन

**NOTE:**

- i) The details of field work, seminar, Group Discussion and Oral examination be given wherever necessary.
- ii) General/Specific instructions for Laboratory safety should be given wherever necessary.

<b><u>Standard Format For</u></b> <b><u>Syllabus Framework</u></b>
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# **SHIVAJI UNIVERSITY KOLHAPUR**

**Accredited By NAAC**

**(2009)**

**Revised Syllabus For**

**Bachelor of Arts**

**B.A. Part III (Spl.) Geography**

**Sem – V Paper – IX**

## **DEVELOPMENT OF GEOGRAPHY**

**Syllabus to be implemented from June – 2012 onwards.**

- A. **Ordinance and Regulations :-**  
**(as applicable to degree )**
- B. **Shivaji University, Kolhapur**  
 Revised Syllabus for  
 Bachelor of – Arts

### **TITLE – DEVELOPMENT OF GEOGRAPHY**

1. Optional under the Faculty of Science ---

**2. YEAR OF IMPLEMENTATION :-** Revised Syllabi will be implemented from June 2012 onwards.

### **3. PREAMBLE :-**

[Note – The Board of studies should briefly mention foundation, core and applied components of the course/paper. The student should get into the prime objectives and expected level of study with required outcome in terms of and advance knowledge at examination level.]

### **4. GENERAL OBJECTIVES OF THE PAPER :**

(As applicable to the Paper concerned)

- I. To know the brief ideas about Geography in the ancient period of Greeks, Romans, Arabs & Indians.
- II. To understand the modern concepts & ideas in Geography contributed by different geographers.
- III. To understand how a modern Geography achieved a scientific; philosophical base and enriched its content.

### **5. DURATION**

- The course shall be a full time course.
- The duration of course shall be of three years, as applicable to the respective degree.

### **6. PATTERN -**

Pattern of Examination will be semester.

### **7. FEE STRUCTURE :-**

As per Government / University rules

[Note :- In case of any New degree/Program started at university/college, the respective colleges/Dept.should submit a separate proposal of fee structure to BOS office. (i.e. Tution Fee & Laboratory Fee, if any.)

### 8. ELIGIBILITY FOR ADMISSION

As per eligibility criteria prescribed for respective degree /program and the merit in the qualifying (i.e. Entrance examination) examination, if any.

### 9. MEDIUM OF INSTRUCTION

The medium of instruction shall be English or Marathi. (as applicable to the course/programme concerned)

### STRUCTURE OF COURSE – 40 + 10 = 50

(Note – The structure & title papers of the degree as a whole should be submitted at the time of submission / revision of first year syllabus.)

### THIRD YEAR (SEMESTER V/VI) (NO. OF PAPERS.....)

Sr.No	Subjects/Papers	Theory	Internal	Total Marks
1.	Paper – IX Sem.V. DEVELOPMENT OF GEOGRAPHY	40	10	50
2.		40	10	50
3.		40	10	50
4.		40	10	50
5.		40	10	50
6.		40	10	50
7.		40	10	50
8.		40	10	50
	Total			

### 10. SCHEME OF TEACHING AND EXAMINATION –

( The scheme of teaching and examination should be given as applicable to the course/paper concerned )

### THIRD YEAR / SEMESTER – V/ .....

#### Scheme of Teaching and Examination

Sr. No	Subject/Paper	Teaching Scheme Hrs/Week				Examination Scheme (Marks)		
		L	T	P	Total	Theory	Term work	Total
1	Paper – IX Sem.V. DEVELOPMENT OF GEOGRAPHY	04	-	-	04	40	10	50
2								

3								
4								
5								
6								
7								
	Total							

### 13. SCHEME OF EXAMINATION

- The examination shall be conducted at the end of each academic year for annual pattern and at the end of each term for semester pattern.
- The Theory Papers shall carry 40 marks (as applicable to the course)
- The evaluation of the performance of the students in the theory papers shall be on the basis of semester examination of 40 marks.
- Question Paper will be set in the view of / in accordance with the entire syllabus & preferably covering each unit of the syllabus.

### 14. STANDARD OF PASSING

As prescribed under rules & regulations for each degree / Programme

### 15. NATURE OF QUESTION PAPER & SCHEME OF MARKING -

As per Faculty of Social Sciences

### 16. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS (FOR REVISED SYLLABUS)

Sr. No	Title of Old Paper	Title of New Paper
1.	<b>DEVELOPMENT OF GEOGRAPHY &amp; APPLIED GEOGRAPHY</b>	<b>DEVELOPMENT OF GEOGRAPHY P.No.IX</b>
2.		
3.		
4.		

### 17. SPECIAL INSTRUCTIONS, IF ANY.



**Revised Syllabus for**  
**B.A. (Part III) (Semester – V - )**  
(Introduced from June 2012 onwards)

1. **Paper No – IX**
2. **Title of the paper – DEVELOPMENT OF GEOGRAPHY**
3. **Syllabus -**

Sr.No.	UNITS	No.of Lectures
1	<b>Ancient and medieval Geographical ideas : A brief review</b>	
1.1	Contribution of Greeks and Romans	12
1.2	Ancient Indian Geographical Concepts.	
1.3	Arab Geographical thoughts.	
2.	<b>Founders of modern Geographical Thoughts.</b>	
2.1	Alexander Von Humboldt	12
2.2	Carl Ritter	
3.	<b>Contributions of major schools of Geography</b>	
3.1	The German school of Geography: Friedrich Ratzel	18
3.2	The French School of Geography : Vidal – de – la – Blache	
3.3	The British School of Geography : Nalford J. Makinder	
3.4	The American School of Geography : W.M. Davis	
4.	<b>Dichotomies and Quantitative Approach in Geography</b>	
4.1	Physical Geography Vs Human Geography	18
4.2	General Geography Vs. Regional Geography	
4.3	Determinism Vs. Possibilism	
4.4	Quantitative Revolution in Geography causes and impacts	

**References**

1. Dohrs, F.E. and Sommers L.W. (ed) (1967) : Introduction to Geography  
Thomas y. crowell co. new york.
2. Hartshorne Richard ( 1959) Perspective on the nature of Geography. Rand  
me nally and co Chicago.
3. Harvey. David (1980) Explanation in Geography, Edward Arnold London.
4. Holt – Jensen A (1980) Geography; History and concepts, Longmans.

5. Husain Majid (1934) Evolution of Geography Thought, Jaipur, Rawat publication, Jaipur and New Delhi
6. James P.E.(1980) : All possible worlds : A History of Geographical ideas , sachin publication, Jaipur ( Indian reprint )
7. Johnston R.J.and claval P (eds) (1984) : Geography scnce the sccond world war, croom helm London.
8. Grifith Taylor: Geography of Twentieth Century.
9. R.,D. Dikshit : Geographical Thought.
10. सवदी, कोळेकर - भौगोलिक विचार प्रणालीचा विकास
11. सवदी, कोळेकर - आधुनिक भूगोल, स्पर्धा परीक्षा निराली प्रकाशन, पुणे
12. सवदी, कोळेकर जोशी ( २००६) पर्यावरणीय अध्ययन निराली प्रकाशन, पुणे
13. अहिरराव व इतर - पर्यावरण विज्ञान, पुणे.
14. बेलापूरकर - भौगोलिक विचारधारा
15. मराठे - भौगोलिक संकल्पना
16. खतीब के. ए. - भूविज्ञान विकास, संजोग प्रकाशन, कोल्हापूर

**Note. -**

1. The details of field work, seminar, group discussion & oral examination should be given wherever necessary
2. General / Specific instructions for Laboratory safety should be given wherever necessary.

**Standard Format For**  
**Syllabus Framework**

# **SHIVAJI UNIVERSITY, KOLHAPUR.**



**B**

**Accredited By NAAC  
(2009)**

**New/Revised Syllabus For  
Bachelor/Master of**

-----  
**B.A. Part III (Spl.) Geography**

**Sem. – VI Paper - X**

**Economic Geography of India.**

**Syllabus to be implemented from June - 2012 onwards.**

A] **Ordinance and Regulations:-**  
(as applicable to degree/program)

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B] **Shivaji University, Kolhapur**  
New/Revised Syllabus for  
**Bachelor of—Arts.**

3. **TITLE: Subject –Economic Geography of India.**  
**Optional/Compulsory/Additional/IDS under the Faculty of –Social Science---**

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4. **YEAR OF IMPLEMENTATION:-** New/Revised Syllabi will be implemented from June \_2012 onwards.

3. **PREAMBLE:-**

[**Note: -** The Board of Studies should briefly mention foundation, core and applied components of the course/paper. The student should get into the prime objectives and expected level of study with required outcome in terms of basic and advance knowledge at examination level.]

4. **GENERAL OBJECTIVES OF THE COURSE/ PAPER/ :**  
(As applicable to the Degree /Subject- Paper concerned)

- 5) To acquaint the students with distinct dimensions of India.
- 6) To understand the economic setup of the country.
- 7) To focus on the agricultural product of the country.
- 8) To get information about air ways, railways, and road ways in India.
- 5) To get information about transport and trade in India.

5. **DURATION**

- The course shall be a full time course.
- The duration of course shall be of Three years, as applicable to the respective degree.

6. **PATTERN:-**

Pattern of Examination will be Semester.

9. **FEE STRUCTURE :-**  
As per Government /University rules

[**Note :-** In case of any New degree/Program **started** at university/college, the respective colleges/ Dept. should submit a separate **proposal of** fee structure to BOS office. (i. e. Tution Fee & Laboratory Fee, if any.)

**9. ELIGIBILITY FOR ADMISSION:-**

As per eligibility criteria prescribed for respective degree program and the merit in the qualifying (i.e. Entrance Examination) examination, if any.

**10. MEDIUM OF INSTRUCTION:**

The medium of instruction shall be in English or Marathi. (As applicable to the course/programme concerned.)

**11. STRUCTURE OF COURSE- -----**

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

**THIRD YEAR (SEMESTER V/VI) (NO.OF PAPERS-----)**

Sr.No.	Subjects/Papers	Theory	Internal	Total Marks
1.	Economic Geography Of India-Paper-X	40	10	50
2.		40	10	50
3.		40	10	50
4.		40	10	50
5.		40	10	50
6.		40	10	50
7.		40	10	50
8.		40	10	50
	<b>Total</b>			

**12. SCHEME OF TEACHING AND EXAMINATION:-**

[The scheme of teaching and examination should be given as applicable to the course/paper concerned.]

**THIRD YEAR / SEMESTER – VI**

Scheme of Teaching and Examination

Sr. No.	Subject/Paper	Teaching Scheme (Hrs/Week)				Examination Scheme (Marks)		
		L	T	P	Total	Theory	Term Work	Total
1	Economic Geography Of India-Paper-X	04	----	---	04	40	10	50
2								

3								
4								
5								
6								
7								
	Total							

**13. SCHEME OF EXAMINATION :-**

- The examination shall be conducted at the end of each academic year for annual pattern and at the end of each term for semester pattern.
- The Theory paper shall carry 40 marks (as applicable to the course)
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 40 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

**14. STANDARD OF PASSING:-**

[As Prescribed under rules & regulation for each degree/program.]

**15. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:-**

(Unitwise weightage of marks should also be mentioned)

As per Faculty of Social Sciences

**16. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)**

Sr.No.	Title of Old Paper	Title of New Paper
1.	Geography of India. Paper – IV	Economic Geography of India Paper –X Sem.VI
2.		
3.		
4.		

**17. SPECIAL INSTRUCTIONS, IF ANY.**

NEW/REVISED SYLLABUS FOR  
**B.A. (Part III) (Semester -VI-)**  
 (Introduced from June \_2012 onwards)

- (i) Paper – X
- (ii) Title of Paper – **Economic Geography of India**
- (iii) Specific Objectives: -----
- (iv) A brief note: - (On expected level of study from examination and assessment point of view):- -----

- (v) **UNIT** **No. of Lectures**
- Unit 1 Resources in India** **(No. of Lectures – 15)**
- 1.1 Mineral Resources: Distribution and Production of Iron Ore, Bauxite, and Manganese.
- 1.2 Power Resources; Distribution and Production of Coal, Mineral Oil, Natural Gas.
- 1.3 Non Conventional Resources: Solar and Wind.
- Unit 2 Agriculture** **(No. of Lectures – 10)**
- 2.1 Importance of Agriculture in Indian Economy.
- 2.2 Major Crops: Rice, Wheat, Sugarcane, Cotton, and Tea.
- 2.3 Green Revolution and Agro Climatic Regions of India.
- 2.4 Problems of Indian Agriculture in the Context of Globalization.
- Unit 3 Industries** **(No. of Lectures – 20)**
- 3.1 Importance of Industries in Indian Economy.
- 3.2 Agro Based Industries: Location Factors, Distribution, Production and Trade of Sugar and Cotton Industries.
- 3.3 Mineral based industries: Location Factors, Distribution, Production and Trade of Iron and Steel and Aluminum Industries.
- 3.4 Fertilizer industries.
- 3.5 Automobile Industries.
- Unit 4 Transport and Trade** **(No. of Lectures – 15)**
- 4.1 Road Ways: Types of Roads in India and their Economic Significance.
- 4.2 Railways: Railway Zones in India, Kolkkan Railway.
- 4.3 Air Ways: Important Air Ways and Air Ports in India.
- 4.4 Indian Trade: Major Items of Export and Import, India's Foreign Trade Policy.

(vi)

**Recommended Reading:**

**(In MLA/APA Style Sheet Format)**

- a) Basic Reading :-
- b) Additional Reading :-
- c) References :-

- i) Books
- ii) Periodicals/Journals:

1. Government of India. : The Gazetteer of India, Vol. I & II, Publication Division, New Delhi, 1965..

2. Despande, C.D.: India: A Regional Interpretation, Northern Book Centre, New Delhi, 1992.
3. Sharma, and Coutihno,,: Economic and Commercial Geography of India. Vikas Publishing House, India, 1998.
4. Memoria, C. B.: Geography of India, Shivrul Agrawal and Co., Agra, 1986.
5. Negi, B. S.: Economic and Commercial Geography of India, Kedar nath Ram nath, New Delhi.
6. Tirtha, Ranjit. : Geography of India, Rawat, Jaipur, 1996.
7. Tata McGraw Atlas: Socio Economic Atlas of India,
8. सावंत प्रकाश : भारताचा भूगोल, फडके प्रकाशन, कोल्हापूर, २००५
9. खतीब के.ए. : भारताचा भूगोल, मेहता प्रकाशन, पुणे, २००५ .
10. Patil , Gaikwad , Advitote, Nanavaer, (2008) : भारताचा भूगोल

**NOTE:**

- i) The details of field work, seminar, Group Discussion and Oral examination be given wherever necessary.
- ii) General/Specific instructions for Laboratory safety should be given wherever necessary



**Standard Format For**  
**Syllabus Framework**

# **SHIVAJI UNIVERSITY, KOLHAPUR.**



**B**

**Accredited By NAAC  
(2009)**

**Revised Syllabus For  
Bachelor of Arts**

**B.A. Part III (Spl.) Geography**

**Sem - VI, Paper - XI**

**URBAN GEOGRAPHY**

**Syllabus to be implemented from June- 2012 onwards.**

A] **Ordinance and Regulations:-**  
(as applicable to degree)

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B] **Shivaji University, Kolhapur**  
Revised Syllabus For  
**Bachelor of Arts**

**Sem. VI, Paper XI**

**3. TITLE : Subject – URBAN GEOGRAPHY**

**Optional Subject under the Faculty of Science**

4. **YEAR OF IMPLEMENTATION:-** Revised Syllabi will be implemented from June 2012 onwards.

**3. PREAMBLE:-**

[**Note:** - The Board of Studies should briefly mention foundation, core and applied components of the course/paper. The student should get into the prime objectives and expected level of study with required outcome in terms of basic and advance knowledge at examination level.]

**4. GENERAL OBJECTIVES OF THE PAPER:**  
(As applicable to the Paper concerned)

- To Study the basic of Urban Geography.
- To Study the types of Urban Settlements, site & Situation.
- To get the ideas of relationship between human activities & urban development.
- To make the students capable for handling the present problematic situation in Urban and rural areas.
- The students studying this syllabus will become good planner and environmental Conservator.

**5. DURATION**

- The course shall be a full time course.
- The duration of course shall be of Three years, as applicable to the respective degree.

**6. PATTERN:-**

Pattern of Examination will be Semester.

<b>10. FEE STRUCTURE :-</b> <b>As per Government /University rules</b>
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[Note :- In case of any New degree/Program **started** at university/college, the respective colleges/ Dept. should submit a separate **proposal of fee structure** to BOS office. (i. e. Tution Fee & Laboratory Fee, if any.)]

**8. ELIGIBILITY FOR ADMISSION:-**

As per eligibility criteria prescribed for respective degree program and the merit in the qualifying examination, if any.

**9. MEDIUM OF INSTRUCTION:**

The medium of instruction shall be English or Marathi. (as applicable to the course/programme concerned.)

**10. STRUCTURE OF COURSE- 40 + 10 = 50**

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

**THIRD YEAR -SEMESTER VI PAPER XI**

Sr.No.	Subjects/Papers	Theory	Internal	Total Marks
1.	Urban Geography - Paper-XI	40	10	50
2.				
3.				
4.				
5.				
6.				
7.				
8.				
	<b>Total</b>			

**11. SCHEME OF TEACHING AND EXAMINATION:-**

[The scheme of teaching and examination should be given as applicable to the course/paper concerned.]

**THIRD YEAR / SEMESTER – VI**

Scheme of Teaching and Examination

Sr. No.	Subject/Paper	Teaching Scheme (Hrs/Week)				Examination Scheme (Marks)		
		L	T	P	Total	Theory	Term Work	Total
1	Urban Geography	04	----	---	04	40	10	50

	<b>Paper-XI</b>							
2								
3								
4								
5								
6								
7								
	Total							

**12. SCHEME OF EXAMINATION :-**

- The examination shall be conducted at the end of each academic year for Semester pattern and at the end of each term for semester pattern.
- The Theory paper shall carry 40 marks (as applicable to the course)
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 40 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

**13. STANDARD OF PASSING:-**

[As Prescribed under rules & regulation for each degree/programme.]

**14. NATURE OF QUESTION PAPER AND SCHEME OF MARKING :-**

As per Faculty of Social Sciences

**15. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)**

<b>Sr.No.</b>	<b>Title of Old Paper</b>	<b>Title of New Paper</b>
<b>1.</b>	Economic & Urban Geography - Paper-V	<b>Urban Geography Sem.VI Paper. No. XI</b>

**16. SPECIAL INSTRUCTIONS, IF ANY.**

**REVISED SYLLABUS FOR**

**B.A. Part III Semester -VI**

(Introduced from June \_2012 onwards)

- (i) **Paper – XI**  
 (ii) **Title of Paper - Urban Geography**

**Unit 1** (No. of Lectures – 12)

**Urban Geography Nature, Scope & Characteristics**

- 1.1 Definitions and nature of urban Geography
- 1.2 Scope of Urban Geography
- 1.3 Characteristics of Urban Settlements

**Unit 2** (No. of Lectures – 18)

**Site, Situation & Determinants**

- 2.1 Site : Significance & Types.
- 2.2 Situation: Significance and Types.
- 2.3 Factors of Urban Growth.
- 2.4 Central Place Theory of Christaller.
- 2.5 Trends of Urbanization in the world after II world War

**Unit 3** (No. of Lectures – 15)

**Classification & Morphology**

- 3.1 Classification of Urban Settlements on the basis of size & Functions.
- 3.2 Town structure and morphological models : The Concentric Zone Theory, the Sector Theory and the Multi – Nuclei Theory
- 3.3 Urban regions : C.B.D., Residential and Manufacturing region.

**Unit 4** (No. of Lectures – 15)

**Urban Problems & Urban Planning**

- 4.1 Major Urban Problems.
- 4.2 Urban Planning.: Bases and Process

## References

1. Mayer H.M. & Kohn C.F. (1967) : Reading in Urban Geography, Chicago Printing Press.
2. Johnson J.H. (1967) : Urban Geography, An Introductory Analysis.
3. Northan : Urban Geography.
4. Bose A : India's Urbanization 1974-2000, Tata Mc Graw Hill, New Delhi.
5. Carter H (1972) : The study of urban Geography, Edward Arnold, Londone.
6. Smailes A.E. : The Geography of Towns.
7. Taylor and Pntnam : Geography of Urban Places.
8. Hudson F : Settlement Geogrpahy
9. देशपांडे सी.डी. 1983 : शहरे – कॉन्टीनेंटल प्रकाशन, पुणे
10. सवदी, कोळेकर, 2005 : आधुनिक भूगोल निराली प्रकाशन, पुणे
11. खतीब के. ए. 2007 : वसाहती भूगोल, अजब प्रकाशन, कोल्हापूर

12. आडसूळ, पाटील व इतर : नागरी भूगोल, सप्रेम प्रकाशन, कोल्हापूर
13. धारपूरे विठ्ठल : वस्ती भूगोल, पिंपळापूरे अँड कं. नागपूर
14. क्षिरसागर, देशपांडे : अधिवास भूगोल
15. सवदी कोळेकर (2008) - भूगोलाची मुलतत्वे, खंड दुसरा, निराली प्रका

**NOTE:**

- i) The details of field work, seminar, Group Discussion and Oral examination be given wherever necessary.
- ii) General/Specific instructions for Laboratory safety should be given wherever necessary.

**Standard Format For**  
**Syllabus Framework**

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(2009)**

**Revised Syllabus For  
Bachelor of Arts**

**B.A. Part III (Spl.) Geography**

**Sem – VI Paper – XII**

**APPLIED GEOGRAPHY**

**Syllabus to be implemented from June – 2012 onwards.**

applicable to degree )

- B. **Shivaji University, Kolhapur**  
Revised Syllabus for  
Bachelor of – Arts

### **TITLE – APPLIED GEOGRAPHY**

1. Optional under the Faculty of Science ---

**2. YEAR OF IMPLEMENTATION :-** Revised Syllabi will be implemented from June 2012 onwards.

### **3. PREAMBLE :-**

[Note – The Board of studies should briefly mention foundation, core and applied components of the course/paper. The student should get into the prime objectives and expected level of study with required outcome in terms of and advance knowledge at examination level.]

### **4. GENERAL OBJECTIVES OF THE PAPER :**

(As applicable to the Paper concerned)

- I. To make aware of the students as to how they can play a role in applying the geographical knowledge for solving the natural & man made Problems.
- II. To study the nature of natural & man – made disasters.
- III. To understand the remedies that the students can undertake in solving such natural & man made disasters.

### **5. DURATION**

- The course shall be a full time course.
- The duration of course shall be of three years, as applicable to the respective degree.

### **6. PATTERN -**

Pattern of Examination will be semester.

### **7. FEE STRUCTURE :-**

As per Government / University rules

[Note :- In case of any New degree/Program started at university/college, the respective colleges/Dept.should submit a separate proposal of fee structure to BOS office. (i.e. Tution Fee & Laboratory Fee, if any.)

### **8. ELIGIBILITY FOR ADMISSION**

As per eligibility criteria prescribed for respective degree /program and the merit in the qualifying (i.e. Entrance examination) examination, if any.



### 9. MEDIUM OF INSTRUCTION

The medium of instruction shall be English or Marathi. (as applicable to the course/programme concerned)

### STRUCTURE OF COURSE – 40 + 10 = 50

(Note – The structure & title papers of the degree as a whole should be submitted at the time of submission / revision of first year syllabus.)

### THIRD YEAR (SEMESTER V/VI) (NO. OF PAPERS.....)

Sr.No	Subjects/Papers	Theory	Internal	Total Marks
1.		40	10	50
2.		40	10	50
3.		40	10	50
4.		40	10	50
5.		40	10	50
6.		40	10	50
7.		40	10	50
8.		40	10	50
	Total			

### 10. SCHEME OF TEACHING AND EXAMINATION –

( The scheme of teaching and examination should be given as applicable to the course/paper concerned )

### THIRD YEAR / SEMESTER – V/ .....

#### Scheme of Teaching and Examination

Sr. No	Subject/Paper	Teaching Scheme Hrs/Week				Examination Scheme (Marks)		
		L	T	P	Total	Theory	Term work	Total
1	Paper – IX Sem.V. DEVELOPMENT OF GEOGRAPHY	04	-	-	04	40	10	50
2								
3								
4								
5								
6								
7								
	Total							

**13. SCHEME OF EXAMINATION**

- The examination shall be conducted at the end of each academic year for annual pattern and at the end of each term for semester pattern.
- The Theory Papers shall carry 40 marks (as applicable to the course)
- The evaluation of the performance of the students in the theory papers shall be on the basis of semester examination of 40 marks.
- Question Paper will be set in the view of / in accordance with the entire syllabus & preferably covering each unit of the syllabus.

**14. STANDARD OF PASSING**

As prescribed under rules & regulations for each degree / Programme

**15. NATURE OF QUESTION PAPER & SCHEME OF MARKING -**

As per Faculty of Social Sciences

**16. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS (FOR REVISED SYLLABUS)**

<b>Sr. No</b>	<b>Title of Old Paper</b>	<b>Title of New Paper</b>
<b>1.</b>	<b>DEVELOPMENT OF GEOGRAPHY &amp; APPLIED GEOGRAPHY</b>	<b>APPLIED GEOGRAPHY P.No.XII</b>
<b>2.</b>		
<b>3.</b>		
<b>4.</b>		

**17. SPECIAL INSTRUCTIONS, IF ANY.**

**Revised Syllabus for**  
**B.A. (Part III) (Semester – VI - )**  
(Introduced from June 2012 onwards)

- 1. Paper No – XII**
- 2. Title of the paper – Applied Geography**

### 3. Syllabus -

Sr.No.	UNITS	No.of Lectures
1.	Applied Geography	12
1.1	Meaning of Applied Geography	
1.2	Nature, Scope & Significance of Applied Geography.	
1.3	Applied Geomorphology	
1.4	Applied Climatology	
2.	Issues related to Physical Environment; Environmental Degradation.	18
2.1	Environmental pollution – Air, water and noise causes, effects and measures.	
2.2	Global environmental issues; Global Warming, Green House Effect, Ozone Layer Deletion and Acid Rain.	
3.	Issues related to Physical Environment; Environmental hazards and disasters.	18
3.1	Environmental degradation and management of soil erosion and deforestation.	
3.2	Causes, effects and measures of floods, droughts, earthquakes, tsunami and land slides with reference of India.	
4.	Issue related to economy	12
4.1	Modern agriculture and associated problem.	
4.2	Industrialization and associated problem.	
4.3	Spatial inequalities : Causes and consequences.	
4.4	Man – Environment relationship & Sustainable Development.	

### References –

1. Savindra Singh : Environmental Geography
2. H.M.Saxena : Environmental Geography
3. D.K.Asthana : Environmental problems and solution
4. Dhamja S.K. : Environmental problems and solution
5. Chand And Puri : Regional planning in India
6. Sanstra SC (2001) Environmental Science
7. सवदी, कोळेकर जोशी (२००६) पर्यावरणीय अध्ययन, निराळी प्रकाशन पुणे

8. अहिरराव व इतर - पर्यावरण विज्ञान, पुणे,

# **SHIVAJI UNIVERSITY, KOLHAPUR.**



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**Revised Syllabus For  
Bachelor of Arts**

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**B.A. Part III (Spl.) Geography**

**Paper XIII (Practical Paper - I)**

**Map Work & Map Reading**

**Syllabus to be implemented from June- 2012 onwards.**

A] **Ordinance and Regulations:-**  
(as applicable to degree)

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B] **Shivaji University, Kolhapur**  
Revised Syllabus For  
**Bachelor of Arts**

**Paper XIII (Practical Paper - I)**

**5. TITLE : Subject – Map Work & Map Reading**

**Optional under the Faculty of –Science-----**

6. **YEAR OF IMPLEMENTATION:-** Revised Syllabi will be implemented from June 2012 onwards.

**3. PREAMBLE:-**

Practical Work is the most important part of Geography. Map is an indispensable tool in Geographical studies & Research activities. The present syllabus of this paper includes study of Maps and their Types, Map Projections, S.O.I. Top maps, I.M.D. Weather Maps, Statistical Methods and Cartographic Techniques. In the process of development of science and technology, the changing nature of subject of Geography will make aware to the students about the map work and map interpretation. This will further help to improve the use of maps, cartographic techniques and methods in teaching-learning and research work.

**4. GENERAL OBJECTIVES OF THE PAPER/ :**  
(as applicable to the - Paper concerned)

- 1) To introduce the students with the importance of map making & map reading.
- 2) To make the students to understand map, concept of projection and concept of scale
- 3) To provide training in analysis of landforms.
- 4) To develop the skill of map reading among the students.
- 5) To give basic information to the students about S.O.I. topomaps and I.M.D. Weather maps.
- 6) To familiarize the students with the different cartographic techniques and Methods used for representation of demographic and physio-socio-economic database.

**5. DURATION**

- The course shall be a full time course.
- The duration of course shall be of Three years, as applicable to the respective degree.

**6. PATTERN:-**

Pattern of Examination will be **ANNUAL**.

**11. FEE STRUCTURE :-**  
As per Government /University rules

[Note: - In case of any New degree/Program **started** at university/college, the respective colleges/ Dept. should submit a separate **proposal of** fee structure to BOS office. (i. e. Tution Fee & Laboratory Fee, if any.)]

**9. ELIGIBILITY FOR ADMISSION:-**

As per eligibility criteria prescribed for respective degree program and the merit in the qualifying (i.e. Entrance Examination) examination, if any.

**10. MEDIUM OF INSTRUCTION:**

The medium of instruction shall be in English or Marathi. (As applicable to the course/programme concerned.)

**11. STRUCTURE OF COURSE- Theory & Practical's**

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

**THIRD YEAR (SEMESTER VI) (NO.OF PAPERS XI)**

Sr.No.	Subjects/Papers	Theory	Internal	Total Marks
1.	Map Work & Map Reading			<b>100</b>
2.				
3.				
4.				
5.				
6.				
7.				
8.				
	<b>Total</b>			

**12. SCHEME OF TEACHING AND EXAMINATION:-**

[The scheme of teaching and examination should be given as applicable to the course/paper concerned.]

**THIRD YEAR B.A. Part - III****Scheme of Teaching and Examination**

Sr. No.	Subject/Paper	Teaching Scheme (Hrs/Week)				Examination Scheme (Marks)		
		L	T	P	Total	Practical	Term Work	Total
1	Map Work & Map Reading			10	10	100		100
2								
3								
4								
5								
6								
7								
	Total							

**13. SCHEME OF EXAMINATION:-**

- The examination shall be conducted at the end of each academic year.
- The Practical paper shall carry 100/ marks.
- The evaluation of the performance of the students in Practical papers shall be on the basis of Annual Practical Examination of 100 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

**14. STANDARD OF PASSING:-**

[As Prescribed under rules & regulation for each degree/program.]

**15. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:-**  
(Unitwise weightage of marks should also be mentioned)**16. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)**

Sr.No.	Title of Old Paper	Title of New Paper
1.	Map work & Map Interpretation Paper - VII	Map Work & Map Reading Paper XIII (Practical Paper - I)
2.		
3.		
4.		

**17. SPECIAL INSTRUCTIONS, IF ANY.**



REVISED SYLLABUS FOR  
**B.A.III (Introduced from June 2012 onwards)**  
 REVISED SYLLABUS FOR  
**B.A. (Part III) Geography**  
**Paper no. XIII (Practical Paper - I)**  
**(Introduced from June 2012 onwards)**

**Paper no. XIII (Practical Paper - I)**

**(ii) Title of Paper - Map Work & Map Reading**

**Unit 1**

**1. Scales:** (No. of Lectures – 40) **Marks - 15**

- 1.1 Map: Definition, Elements, Types & Importance.
- 1.2 Scale of Map: Definition, Methods of Expression of Scale – Verbal, Numerical & Graphical.
- 1.3 Conversion of scales.
- 1.4 Construction of graphical scale – simple, time and distance, diagonal.
- 1.5 Measurement of area from Map – By Square Method

**Unit 2.**

**Map Projection:** (No. of Lectures – 50) **Marks - 15**

- 2.1 Definition, Classification of Map Projection based on the methods of Construction, developable surface, position of Tangent surface, Position of light view point, and Preserved qualities
- 2.2 Necessity and Choice of Map Projection.
- 2.3 Graphical Construction, Properties and uses of the following Projections:
  - a) Zenithal polar Gnomonic projection.
  - b) Conical projection with two standard parallel.
  - c) Cylindrical equal area projection.
  - d) Marketer's projection.

**Unit 3.**

**Analysis of landforms** (No. of Lectures 50) **Marks - 15**

- 3.1 Methods showing relief on map: Qualitative & Quantitative.
- 3.2 Representation of relief features by contours: Hill, Knoll, Volcanic cones & Craters, Ridge, Saddle, Plateau, Spur, Col, Cliff, Waterfall, Gorge, 'V' Shaped Valley, 'U' Shaped Valley, Hanging Valley, Cirque, Ria, Fiord Coast,.
- 3.3 Representation of slope by contours.
- 3.4 Determination of slope by gradient, degree, percent and mills.
- 3.5 Cross-section, Longitudinal profile & Indivisibility.

**Unit 4.**

**SOI Toposheets: (No. of Lectures – 50) Marks - 15**

- 4.1 Indexing of SOI Toposheets.
- 4.2 Conventional Signs, Symbols and Colors used in SOI Toposheet
- 4.3 Interpretation of SOI topographical map of plain, plateau and mountain areas with reference to the following points:
  - a) Marginal information.
  - b) physical environment: relief, drainage, natural vegetation.
  - c) cultural environment: , irrigation, land use, transportation and communication, settlements.

**Unit 5**

**IMD report and Indian Weather Maps : (No. of Lectures – 50) Marks - 15**

- 5.1 Study of Weather Instruments: Thermograph, Barograph, Psychrometer or dry and wet bulb thermometer, Wind vane, Cup Anemometer, Rain Gauge,
- 5.2 Conventional Signs and Symbols used in IMD chart
- 5.3 Isobaric patterns: cyclone, depression, anticyclone, col, ridge, secondary depression, wedge etc.
- 5.4 Interpretation of Indian weather maps: Pre Monsoon, Monsoon & Post Monsoon Periods.

**Unit 6**

**Cartographic Techniques : (No. of Lectures – 50) Marks -15**

- 6.1 One Dimensional Diagrams:
  - a. Multiple Line Graph or Poly Graph.
  - b. Band Graph or Compound Line Graph.
  - c. Compound Bar Graph.
  - d. Compound Pyramid Diagram.
- 6.2 Two Dimensional Diagrams:
  - a) Divided Circle
  - b) Divided Rectangle.
- 6.3 Three Dimensional Diagrams:
  - a. Cube Diagram.
  - b. Proportional Spheres.
  - c. Block Piles.
- 6.4 Pictorial Diagram:
- 6.5 Distributional Maps: Choropleth Maps

**Unit 7**

**Journal and viva voce Marks -10**

**a) References :-**

- 1. Bygoot, J. : An Introduction to Mapwork and Practical Geography. University Tutorial, London, 1964
- 2. Kanetkar, T.P. and Kulkarni S.V.: Surveying and Levelling ( Part I & II.) A.V.G. Prakashan, Poona, 1965.
- 3. Monkhouse, F. J. and Wilkinson, H. R.: Maps and Diagrams. Mathuen, 21

London, 1971.

4. Raisz, E.: Principals of Cartography. McGraw Hill Book Com., Inc, New York 1962.
5. Robinson, A.H. and Sale, R. D.: Elements of Cartography. John Wiley and Sons, Inc, New York 1969
6. Sarkar, A.K. : Practical Geography : A Systematic Approach. Oriental Longman, Calcutta, 1997.
8. Singh, L.R. and Singh, R.: Mapwork and Practical Geography. Allahabad, 1973.
8. Gupta, C.B. : An Introduction to Statistical Methods, Vikas Publication House, New Delhi, 1978.
9. Ellhance, D.N. : Fundametals of Statistics, Kitab Mahal, Allahabad, 1972.
10. Singh, R.L. : Elements of Practical Geography, Kalyani Publishers, New Delhi.
11. Singh, R and Kanaujia, L.R.S. : Map Work and Practical Geography, Central Book Depot., Allahabad, 1970.
12. Mishra, R.P and Ramesh, A. : Fundamentals of Cartography. Concept Publ. Com., New Delhi, 2000.
13. Karlekar, S. and Kale, M. : Statistical analysis of Geographical data, Diamond Publications, Pune, 2006.

**NOTE:**

- i) The details of field work, seminar, Group Discussion and Oral examination be given wherever necessary.
- ii) General/Specific instructions for Laboratory safety should be given wherever necessary)

**Standard Format For**  
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# **SHIVAJI UNIVERSITY, KOLHAPUR.**



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**Revised Syllabus For  
Bachelor of Arts**

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**B.A. Part III (Spl.) Geography**

**Paper XIV (Practical Paper - II)**

**Advanced Techniques & Field Work**

**Syllabus to be implemented from June- 2012 onwards.**

A] **Ordinance and Regulations:-**  
(as applicable to degree)

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B] **Shivaji University, Kolhapur**  
Revised Syllabus For  
**Bachelor of Arts**

**Paper XIV (Practical Paper - II)**

**TITLE: Subject – Advanced Techniques & Field Work**

**7. Optional under the Faculty of –Science-----**

8. **YEAR OF IMPLEMENTATION:** - Revised Syllabi will be implemented from June 2012 onwards.

**3. PREAMBLE:-**

Modern science & technology have gained momentum. The last couple of Decades have witnessed a sudden expansion of knowledge. In the process of development of science and technology, the changing nature of subject of Geography will make aware to the students about the advanced techniques such as Remote Sensing, GIS, and GPS. The application of computers has revolutionized the use of methods & techniques. The present syllabus of this paper includes study of Aerial Photographs, Remote Sensing, GIS, Application of Computer and use of field work in Geography. This will further help to improve the use of advanced techniques and methods in teaching-learning and research work.

**4. GENERAL OBJECTIVES OF THE PAPER/ :**  
(As applicable to the - Paper concerned)

- 1) To introduce the students with the importance of field work & advanced Techniques in Geography.
- 2) To provide training in application of modern tool & techniques in Geography.
- 3) To enhance the skill of the students in instrumental survey.
- 4) To enable the students to understand the use of computer for analysis of Geographical data.
- 5) To give basic information to the students about Aerial Photographs, Remote Sensing, GIS and GPS.

**5. DURATION**

- **The course shall be a full time course.**
- **The duration of course shall be of Three years, as applicable to the respective degree.**

**6. PATTERN:-**

Pattern of Examination will be **ANNUAL**.

**12. FEE STRUCTURE :-**  
As per Government /University rules

[Note :- In case of any New degree/Program **started** at university/college, the respective colleges/ Dept. should submit a separate **proposal of** fee structure to BOS office. (i. e. Tution Fee & Laboratory Fee, if any.)]

**9. ELIGIBILITY FOR ADMISSION:-**

As per eligibility criteria prescribed for respective degree program and the merit in the qualifying (i.e. Entrance Examination) examination, if any.

**10. MEDIUM OF INSTRUCTION:**

The medium of instruction shall be in English or Marathi. ( as applicable to the course/programme concerned.)

**11. STRUCTURE OF COURSE- Theory & Practical's**

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

**THIRD YEAR (SEMESTER VI) (NO.OF PAPERSXI)**

Sr.No.	Subjects/Papers	Theory	Internal	Total Marks
1.	Advanced Techniques & Field Work			<b>100</b>
2.				
3.				
4.				
5.				
6.				
7.				
8.				
	<b>Total</b>			

**12. SCHEME OF TEACHING AND EXAMINATION:-**

[The scheme of teaching and examination should be given as applicable to the course/paper concerned.]

	Total							
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**THIRD YEAR B.A. Part - III**

Scheme of Teaching and Examination

Sr. No.	Subject/Paper	Teaching Scheme (Hrs/Week)				Examination Scheme (Marks)		
		L	T	P	Total	Practical	Term Work	Total
1	Advanced Techniques & Field Work			10	10	100		100
2								
3								
4								
5								
6								
7								
	Total							

**13. SCHEME OF EXAMINATION :-**

- The examination shall be conducted at the end of each academic year.
- The Practical paper shall carry 100/ marks.
- The evaluation of the performance of the students in Practical papers shall be on the basis of Annual Practical Examination of 100 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

**14. STANDARD OF PASSING:-**

[As Prescribed under rules & regulation for each degree/program.]

**15. NATURE OF QUESTION PAPER AND SCHEME OF MARKING :-**  
(Unit wise weightage of marks should also be mentioned)

**16. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)**

Sr.No.	Title of Old Paper	Title of New Paper
1.	Advanced Techniques of Spatial Analysis (Paper No. VIII)	Advanced Techniques & Field Work Paper XIV (Practical Paper - II)
2.		
3.		
4.		

**17. SPECIAL INSTRUCTIONS, IF ANY.**

REVISED SYLLABUS FOR  
**B.A. ( Part III ) Geography**  
Paper no XIV (Practical Paper - II)  
(Introduced from June \_2012 onwards)

**Paper no XIV (Practical Paper - II)**

**(ii) Title of Paper - Advanced Techniques & Field Work**

UNIT	No. of Lectures	Marks
<b>Unit 1</b>		
<b>Introduction to Computer:</b>	<b>(No. of Lectures – 50)</b>	<b>Marks - 12</b>
1.1 Computers Fundamentals: Definition, Evolution, Characteristics Structure, Hardware-software.		
1.2 Application of computer in Geography:		
1.3 Construction of Line graphs, Bar graphs, Pie diagram and scatter diagram with the help of computer.		
1.4 Significance of Internet in Geographical studies.		
<b>Unit 2</b>		
<b>Remote Sensing (RS)</b>	<b>(No. of Lectures –50)</b>	<b>Marks - 12</b>
2.1 Concept of Remote Sensing.		
2.2 Fundamentals of Remote Sensing: EMR Sensors and Platforms.		



- 2.3 Application of Remote Sensing in Geography.
- 2.4 Aerial Photography: Types of Aerial Photographs.
- 2.5 Identification of Physical & Cultural Features from Aerial Photographs or Satellite Imageries
- 2.6 Determination of Photo Scale

### Unit 3

#### GIS and GPS

(No. of Lectures – 30)

Marks - 08

- A) 3.1.1 Concept of GIS.(Geographic Information System).
- 3.1.2 Functions of GIS.
- 3.1.3 Introduction to GIS Software.
- 3.1.4. Application of GIS in Geography.
- B) GPS : Geographical Positioning System
- 3.2.1 Introduction to GPS.
- 3.2.2 Application of GPS in Geography.
- 3.2.3 Field Work in GPS: Determining latitude, longitude and altitude.

### Unit 4

#### Statistical Methods and Techniques:

(No. of Lectures – 60)

Marks - 20

- 4.1 Collection and forms of statistical data (Sources and Types of Data)
- 4.2 Analysis of statistical data by the following methods and techniques:
  - a) Measurement of Central Tendency: Mean, Median and Mode
  - b) Dispersion: Mean deviation, Standard deviation, Co-efficient of variation
  - c) Correlation: Karl Pearson's Method
  - d) Analysis of Time Series: Semi-average Method

### Unit 5

#### Surveying :

(No. of Lectures – 50)

Marks -15

- 5.1 Introduction to Surveying : meaning and types.
- 5.2 Preparation of plans of the given area with the following survey methods:
  - 5.2.1 Plane Table Survey : object and procedures of plane table survey - Radial method
  - Intersection method
  - Traverse method
  - 5.2.2 Prismatic compass survey:
    - Whole circle and Reduced Bearings
    - Examples on conversion of bearings.
    - Local attraction and correction of bearings
    - Intersection and traverse method.

### Unit 6

#### Project Report based on field work

Marks -15

(Report on any one of the following themes)

- a) Flood affected village b) Earthquake affected village c) Landslide affected Village d) problems of village / city such as kharland, air pollution, water Pollution, noise pollution, water, electricity, slum housing, road, industry, Health, education, city traffic, agricultural activities, land use, tourism or any Other local area based problem

(Period of field work maximum one week. Students have submitted report at the time of University Examination.)

#### Study Tour

Marks - 15

(Anywhere in India for a period of Minimum 6 days and maximum 15 days)  
Students have to submit study tour report at the time of University Examination.

## Unit 7

### Journal and Viva-voce

**Marks -10**

Note 1) Project work should be allotted batch should not more than 12 students  
2) each department should have at least 2 Computers , 1 printer, 1 scanner, 10 pairs of Aerial Photographs, 10 Pocket Stereoscopes and 10 remote sensing Images .

### (vi) Recommended Reading :

#### a) References :-

1. Bygoot, J. : An Introduction to Mapwork and Practical Geography. University Tutorial, London, 1964
- 27
2. Kanetkar, T.P. and Kulkarni S.V.: Surveying and Levelling ( Part I & II.) A.V.G. Prakashan, Poona, 1965.
3. Monkhouse, F. J. and Wilkinson, H. R.: Maps and Diagrams. Methuen, London, 1971.
4. Raisz, E.: Principles of Cartography. McGraw Hill Book Co., Inc, New York 1962.
5. Robinson, A.H. and Sale, R. D.: Elements of Cartography. John Wiley and Sons, Inc, New York 1969
6. Sarkar, A.K. : Practical Geography : A Systematic Approach. Oriental Longman, Calcutta, 1997.
9. Singh, L.R. and Singh, R.: Mapwork and Practical Geography. Allahabad, 1973.
8. Curran, P. : Principles of Remote Sensing, Logman, London, 1989.
9. Dickinson, G.C. : Maps and Air Photographs, Arnold Publisher, New Delhi, 1979.
10. Singh, R.L. : Elements of Practical Geography, Kalyani Publishers, New Delhi.
11. Singh, R and Kanaujia L.R.S. : Map Work and Practical Geography, Central Book Depot., Allahabad, 1970.
12. Maguire, D.J. : Computers in Geography, Longman scientific and technical Publication, London, 1989.
13. Mathur, P.M. : Computer Application in Geography, John Wiley and Sons, New York, 1993.
14. Mishra, R.P and Ramesh A. : Fundamentals of Cartography. Concept Publ. Com., New Delhi, 2000.
15. Burrough, P. A. and McDonell, R. : Principles of Geographical Information Systems, Oxford University Press, Oxford, 1998.
१६. कुंभार अर्जुन : प्रात्यक्षिक भूगोल, सुमेरु प्रकाशन, पुणे.
१७. गाताडे, डी.जी व अडवितोट एस.सी : प्रात्याक्षीक भूगोल, अक्षरलेन प्रकाशन, सोलापूर
१८. अहिरराव व अलिझाड : प्रात्यक्षिक भूगोल, श्री विद्या प्रकाशन, नागपूर

### (NOTE:

- i) The details of field work, seminar, Group Discussion and Oral examination be given wherever necessary.
- ii) General/Specific instructions for Laboratory safety should be given wherever necessary)

**SPECIFIC EQUIPMENTS:** Necessary to run the Course.**B.A./ B.Ed. Special Geography**

Sr. No	Name of Instrument	Quantity
1.	Wooden compass box	01
2.	Meter scale (Wooden or plastic or steel)	01
3.	Tracing table	01
4.	Toposheets (1:50,000)	Min 20
5.	Weather map (summer, winter, rainy season)	20
6.	Thermograph	01
7.	Aneroid barometer	01
8.	Barograph	01
9.	Wet & Dry bulb thermometer	01
10.	Minimum & maximum Thermometer	01
11.	Cup anemometer	01
12.	Rain Gauge	01
13.	Pocket stereoscope	06
14.	Mirror stereoscope	02
15.	Aerial Photograph	10
16.	Plane table survey	02
17.	Chain & tape survey	01
18.	Prismatic compass survey	02
19.	Imageries	02
20.	Wall maps .District, State, National, World	08
21.	Big Atlas / School Atlas	01/01
22.	Globe- Political Physical	02
23.	Outline – Maharashtra, India, world	01 each
24.	Calculators	02
25.	Camera	01
26.	Magnifying Glasses	10

27.	Dimensional maps: State, India & World	<i>01 each</i>
28.	Wind vane	<i>01</i>
29.	Video – cassettes/ C.D./D.V.D of: Volcano, Earth quakes, Urbanizations	<i>01 each</i>
30.	Over-head projector/LCD	<i>01</i>
31.	Computer / Printer / Scanner	<i>02/01/01</i>
32.	Uno Bropel pen set	<i>01</i>
33.	Lettering set	<i>01</i>
34.	GPS	<i>01</i>
35.	Laboratory Size 30 X 20'	<i>01</i>
36.	Lab Assistant	<i>01</i>
37.	<i>Peon</i>	<i>01</i>

## **At least one journal from the following.**

1. The Deccan Geographer, Pune.
2. I I G Transactions, Pune
3. Geographical Review of India, Calcutta
4. National Geographer Journal, Varanasi
5. National Geographic, Washington D.C.
6. NAGI – Annals
7. Journal of Regional Science: Kolkata.
8. Indian Geographers, Chennai.
9. Bhugol Sanshodan Patrika.
10. Goa Geographer
11. Research Link
12. Enrich Environment
13. Shodh Samiksha Aur Mulyankan
१४. महाराष्ट्र भूगोलशास्त्र संशोधन पत्रिका
१५. भूगोलशास्त्र संशोधक
16. Journal of Research and Development : A Multidisciplinary International Journal.
17. The Indian Geographical Quest.
18. Indian Stream Research Journal.