

SOLAPUR UNIVERSITY, SOLAPUR
New Syllabus For B. A. Part III GEOGRAPHY
Semester V & VI
(w. e. f. June 2015)

General Structure**Theory Examination:**

There will be three theory papers of 50 Marks each for each semester their titles and distribution of Marks are as follows

Semester V

Paper No.	VII	Resource Geography	-	50 Marks
Paper No.	VIII	Urban Geography	-	50 Marks
Paper No.	IX	Development Geography	-	50 Marks

Semester VI

Paper No.	X	Geography of Economic Activities	-	50 Marks
Paper No.	XI	Political Geography	-	50 Marks
Paper No.	XII	Applied Geography	-	50 Marks

Practical Examination: (Annual)

Practical Examination will be of 200 Marks. The distribution of Marks will be as follows

Practical Paper -I	Map Work, Weather Reports and advanced techniques in Geography	-	100 Marks
Practical Paper -II	Topographical maps, Statistical Methods and Field work	-	100 Marks

SOLAPUR UNIVERSITY, SOLAPUR

New Syllabus For B. A. Part III

GEOGRAPHY

Semester - V Paper VII

Paper Title: - Resource Geography

(w. e. f. June 2015)

Course No.: -ASG – 301

Total Marks: - 50

Course objectives : -

Development in science and technology has changed the pattern of economic activities throughout the world. The major objectives of Economic Geography are as follows.

1. To acquaint the student with basic concepts of Economic Geography.
2. To Study the various types of Resources as the basis for various economic activities.

Unit No.	Name of the Topic	Sub topic	No. of Lectures
1.	Economic Geography	1.1 Meaning of Economic Geography 1.2 Nature & Scope of Economic Geography 1.3 Branches of Economic Geography 1.4 Approaches to the study	10
2.	Resources	2.1 Meaning & Concept of Resources 2.2 Classification of Resources 2.3 Utilization of Resources for the sustainable Economic growth 2.4 Need & nature of conservation of resources.	10
3.	Mineral Resources	Distribution, Production & Trade of following Minerals. 3.1 Iron – ore : U.S.A., India 3.2 Manganese- India, USSR 3.3 Bauxite - India, Russia	10

4.	Power Resources	Distribution, Production & Trade of following Power resources 4.1 Coal - U.S.A., India 4.2 Petroleum – India, Middle East Countries 4.3 Hydel Power - India, Japan 4.4 Non conventional energy resources – Solar & Wind energy	10
5.	Bio Resources	Distribution, Production & Trade of following Bio- Resources. 5.1 Forests 5.2 Live stocks – (Cattle, sheep)	07

References :

1. Sadhukhan S.K. - Economics Geography
An appraisal of resources
2. H. Robinson (1978) - Economic Geography
Madanlal and Evans
3. Hamilton I (Ed) (1992) - Resource and Industry
Oxford University Press New York
4. Janaki V.A. (1985) - Economic Geography
Concept Publication Co, New Delhi
5. प्रा. खतीब के.ए. - साधनसंपत्ती भूगोल मेहता पब्लिकेशन, कोल्हापूर.

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New Syllabus For B. A. Part III GEOGRAPHY

Semester - V Paper VIII

Paper Title: -Urban Geography

Course No.: - ASG – 302

Total Marks: - 50

Course objectives : -

- 1) To familiarize the students with conceptual theoretical & empirical development in settlement studies in geography and current settlement scenario in the world & India.
- 2) To provide the students an idea about international & national concerns on settlement issues.

Unit No.	Name of the Topic	Sub topic	No. of Lectures
1.	Urban Geography	1.1. Definition of Urban Geography 1.2. Nature of Urban Geography 1.3. Scope of Urban Geography 1.4. Approaches to the study of Urban Geography.	10
2.	Urbanization & Urban Functions	2.1 Concept of Urbanization 2.2 Factors of Urbanization 2.3 Trends of Urbanization in World 2.4 Functional Classification of Towns & Cities.	10
3.	Site and Situation	3.1 Site – Significance & Classification 3.2 Situation – Significance & Classification	10
4.	Urban Morphology	4.1 Development of Town structure: Theories - Concentric Zone theory, The Sector theory, The Multi-Nuclei theory	10

		4.2 Central Business District 4.3 Residential & Manufacturing areas in the city. 4.4 Rural – Urban fringe.	
5.	Urban Problem & Urban Planning	5.1 Urban Problems 5.2 Solution of Urban Problems 5.3 Urban Planning: Importance of planning	07

References :

1. Carter H. (1972) - The Study of Urban Geography
Edward Arnold Landon
2. Singh R.Y.(1994) - Geography of Settlement
Rawal Publication, Jaipur
3. Bose A - Indias Urbanization 1974-2000
Tata Mc Craw Hill, New Delhi
4. Mayer H.M & Kohn C.F. 1967 - Reading in Urban Geography
Chicago Printing Press
5. Rao V.L.S.P. - Urbanization in India Special Dimensions
Concept Publication Co., New Delhi
6. Deckinson R.E. 1964 - City & Region Roulade London
7. प्रा. खतीब के.ए. - नागरी भूगोल मेहता पब्लिकेशन, कोल्हापूर.

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GEOGRAPHY

Semester V Paper No IX

Paper Title: - Development of Geography

(w. e. f. June 2015)

Course No.: - ASG – 303

Total Marks: - 50

Course objectives : -

1. To introduce the students to the Philosophical and Methodological foundation of the geography.
2. To provide information related to the major landmarks in development of geographical thought.

Unit No.	Name of the Topic	Sub topic	No. of Lectures
1.	History of Geographical idea: brief review	1.1 Contribution of Greek & Roman 1.2 Ancient Indian geographical concepts 1.3 Arab Geographical Thought	10
2.	Founders of Modern Geographical Thoughts	2.1 Alexandar Von Humboldt 2.2 Carl Ritter	10
3.	Dichotomy in Geography	3.1 Physical Vs Human 3.2 General Geography Vs. Regional Geography	10
4.	School of Geographical Thoughts	4.1 The German School of Geography : Contribution of Friedrich Ratzel 4.2 The French School of Geography : Contribution of Vidal – de-la-Blache	10

		4.3 The American School of Geography : Contribution of Ellen Semple	
5.	Development of Geography after World War II	5.1 The Quantitative revolution in Geography: Concept, Objectives, merits and demerits. 5.2 Behavioural Geography 5.3 Humanistic Geography	05

References :

1. Harsorne Rechard (1959) - Perspective on the nature of Geography
Rand Mc Nally & Co., New York
2. Dixit R.D. - Geography Thought
3. Dickinson R.E. - Makers of Modern Geography
4. Taylor Griffith - Geography of 20th Century
5. Harvey David (1980) - Explanation in Geography
Edward - Arnold Landon
6. Husain Majid (1984) - Evolution of Geographical Thought
Rawat Publication, Jaipur
7. प्रा. खतीब के.ए. - भूविज्ञान विकास मेहता पब्लिकेशन, कोल्हापूर.

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New Syllabus For B. A. Part III GEOGRAPHY

Semester - VI Paper X

Paper Title : - Geography of Economic Activities

(w. e. f. June 2015)

Course No.: -ASG – 301

Total Marks: - 50

Course objectives : -

Development in science and technology has changed the pattern of economic activities throughout the world. The major objectives of Economic Geography are as follows.

1. To acquaint the students with economic activities i.e. Agriculture, Manufacturing, Transportation economic & Trade and Tourism.
2. To acquaint the students with basic concepts of Regional Planning.

Unit No.	Name of the Topic	Sub topic	No. of Lectures
1.	Agriculture	Brief review of following aspects. 1.1 Factors Affecting on Agriculture 1.2 Role of Agriculture in Economic development. 1.3 Types, Characteristics and Pattern of the following agricultural practices. Subsistence Agriculture – Shifting cultivation, Intensive farming. Commercial Agriculture - Plantation, Commercial grain farming, Mixed farming & Fruit farming.	10

2.	Manufacturing Industries	2.1 Factors of Industrial localization. 2.2 Concept of localization, centralization & decentralization of industries with Reference Weber's Theory 2.3 Brief study of following industries in Japan & U. S. A. i. Iron & Steel Industries ii. Cotton Textile Industries	10
3.	Transportation, Communication & Trade	3.1 Significance of Transportation, Communication & Trade. 3.2 Modes of Transport - i) Trans continental Rail Routes. ii) Major Ocean Routes. 3.3 Trade organizations – OPEC, WTO, EEC	10
4.	Tourism	4.1 Meaning Significance & impacts of Tourism. 4.2 Factors influencing on Tourism. 4.3 Tourism management & Planning. 4.4 Major Tourism areas in Asia	10
5.	Regional Planning	5.1 Concept of Region 5.2 Types of Region 5.3 Concept of Regional Planning 5.4 Application of Regional Planning for Maharashtra.	07

References :

1. Alexanderson C. (1967) : Geography of Manufacturing, Prentice Hall, Bombay.
2. Boesch H (1964):A Geography of World Economy, S. Van Nostrand Co., New York
3. Goh Chang Leong and Morgan (1977): Human and Economic Geography, OxfordUniversity Press.
4. H. Robinson (1978) : Economic Geography, Macdonald and Evans.
5. Hamilton I. (Ed) (1992) : Resources and Industry, Oxford University Press, New York.
6. Hartshorn T. N. and Alexandar J. W. (1994) : Economic Geography, Prentice Hall, New Delhi.
7. Janaki V. A. (1985) : Economic Geography, Concept publication Co. New Delhi.
8. Miller E. (1962) : Geography of Manufacturing, Prentice Hall, New York.
9. Milton D. (1993): Geography of World Tourism, Longman, London.
10. Mishra R. P. (1969): Regional Planning: Concepts, Techniques & Policies, University of Mysore.
11. Raza M. and Agrawal Y. P. (1985) : Transport Geography of India, Concept publication, New Delhi.
12. Thoms R. S. (1962) : The Geography of Economic Activities, McGraw Hill, NewYork.
13. White H. P. And Senior M. L. (1983): Transport Geography, Longman, London.
14. प्रा. खतीब के.ए. - आर्थिक भूगोल मेहता पब्लिकेशन, कोल्हापूर.

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New Syllabus For B. A. Part III

GEOGRAPHY

Semester - VI -Paper No. XI

Paper Title: - Political Geography

(w.e.f. June 2015)

Course No.: - ASG – 302

Total Marks: - 50

Course objectives : -

- 1) To sensitize the students with the problems of population growth & environmental degradation in settlement.
- 2) To familiarize the students with the geographical factors which have a bearing on the political / administrative organization of space.
- 3) To enhance awareness of multidimensional nature of geo – political space.

Unit No.	Name of the Topic	Sub topic	No. of Lectures
1.	Political Geography	1.1 Definition 1.2 Nature 1.3 Scope 1.4 Relation with allied branches 1.5 Approaches to the study of Political Geography	10
2.	Global Strategic views and their Relevance to contemporary world situation	2.1 Sea Power concept of A. T. Mahan 2.2 The Heartland Theory of H. J. Mackindar 2.3 Rim land Theory of Spykman	10
3.	Major Concepts and Elements of State	3.1 Concept of State and Nation 3.2 Element of State – Location, Shape, Size, Topography, Climate, Vegetation, Resources, population Communication.	10

4.	Boundaries, Frontiers, Capitals and Core areas	4.1 Concept of boundaries and frontiers 4.2 Meaning, classification and functions of Boundaries, Capital and Core areas. 4.3 Buffer state: meaning & examples.	10
5.	Geo – political issues of India	5.1 Changing political map of India. 5.2 Inter – state issue of water disputes 5.3 Conflict resolutions insurgency in Border States. 5.4 Boundary disputes: i) India and Pakistan ii) India and China	07

References :

1. Carter H. (1972) : The Study of Urban Geography, Edward Arnold, London
2. Singh R. Y. (1994) : Geography of Settlement, Rawat Publication, Jaipur.
3. Bose A. : India's Urbanization 1974 – 2000, Tata McGraw Hill, New Delhi.
4. Mayer H. M. & Kohn C. F. (1967): Readings in Urban Geography, Chicago printing press.
5. Rao V.L.S. P. : Urbanization in India : Spacial Dimensions, Concept publication Co. New Delhi.
6. Deckinson R. E. (1964): City and Region, Roulledge, London.
7. Alexandar L. M. (1963): World Political Patterns, Ran McNally, Chicago.
8. Tylor Peter (1985) : Political Geography, Longman, London.
9. Deshpande C. D. (1992) : India – A Regional Interpretation, Northern Book Centre, New Delhi.
10. John R. Short (1982) : An Introduction to Political Geography, Methuen, London
11. प्रा. खतीब के.ए. - राजकीय भूगोल मेहता पब्लिकेशन, कोल्हापूर.
12. Sharma T. C. – Political Geography
13. Dixit R. D. – Political Geography
14. Dwiwedi – Political Geograph

SOLAPUR UNIVERSITY, SOLAPUR
New Syllabus For B. A. Part III GEOGRAPHY
Semester VI Paper XII
Paper Title: Applied Geography
(w. e. f. June 2015)

Course No.: - ASG – 303
Total Marks: - 50

Course objectives : -

1. To familiarize the students Nature & Scope of Applied Geography.
2. To understand the various issues related to physical environment, human resources and economy ect.

Unit No.	Name of the Topic	Sub topic	No. of Lectures
1.	Applied Geography	1.1 Definition of Applied Geography 1.2 Nature of Applied Geography 1.3 Scope & Content of Applied Geog.	10
2.	Issues related to physical environment : Environmental degradation	2.1 Environmental degradation: i) soil erosion ii) Deforestation iii) Pollution : Air, Water & Noise its causes, effects 2.2 Global environmental issues – Global warming, ozone layers depletion & Acid rain	10
3.	Issues related to physical environment : Environmental disaster	3.1 Natural disaster- Floods, Droughts, Earth quakes & Land Slides with special reference to India. 3.2 Environmental management	10
4.	Issues related to Human resources	4.1 Quality Vs Number 4.2 Social and Demographic issues	08

5.	Issue related to Economy	5.1 Modern Agriculture & Associated Problem 5.2 Industrialization & Associated problem.	07
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References:

- 1) Hartshorne, Richard (1959): Perspective on the Nature of Geography, Rand McNally & Co. New York.
- 2) Minshull, R. (1970) : The Changing Nature of Geography, London.
- 3) Dixit, R. D. : Geographical Thought
- 4) Dickinson, R. E. : Makers of Modern Geography.
- 5) Taylor Griffith: Geography of 20th-Century
- 6) Harvey, David (1980): Explanation in Geography, Edward – Arnold, London.
- 7) Husain, Majid (1984): Evolution of Geographical Thought, Rawat Publication, Jaipur.
- 8) Johnston, R. J. & Claval, P. (Ed.) (1984): Geography Since the Second World War, Croom Helm, London.
- 9) Holt – Jensen, A(1980): Geography: Its History and Concept, Longman London.
- 10) Singh Savindar : Environmental Geography
- 11) Chand & Puri : Regional Geography
- 12) Dhameja S. K. : Environmental Studies, New Delhi.
- 13) Lownsburg, R. J. & Aldrich, F. T. (1979): Introduction of Geographical Methods and Techniques, Charles Marrill, Columbus.
- 14) प्रा. खतीब के.ए. - उपयोजित भूगोल मेहता पब्लिकेशन, कोल्हापूर.

SOLAPUR UNIVERSITY, SOLAPUR

New Syllabus For B.A. PART III

GEOGRAPHY (Special) Practical Paper I (Annual)

MAP WORK, WEATHER REPORTS AND ADVANCED TECHNIQUES IN GEOGRAPHY

(W.E.F. June 2015)

Course No.: ASG - 304

Marks :- 100

Objectives:

- 1 To enable the Students to use various cartographic Techniques and interpret.
- 2 To introduce the importance & basic principles of Remote Sensing, G.I.S & G.P.S.

UNIT 1. MAP SCALE: 15

- Map Scale – Definition, Methods of expression of Scales : Statement Scale (Verbal Scale), Numerical Scale / Representative Fraction, Graphical Scale.
- Conversion of Scale
- Construction of Scale: (Metric System only)
 - i) Simple Graphical Scale
 - ii) Time and Distance Scale
 - iii) Diagonal Scale.

UNIT 2. MAP PROJECTION 15

- **Definition and Classification of Projection.**
 - a) Based on method of construction
 - b) Based on the developable surface used
 - c) Based on the position of view point
 - d) Based on preserved quantities
 - e) Based on the position of tangent surface
- **Construction, Properties and Uses of the following Projection**

- i. Zenithal Polar Gnomonic Projection
- ii. Zenithal Polar Equal Area Projection
- iii. Simple Conical Projection with One Standard Parallel
- iv. Simple Conical Projection with Two Standard Parallel
- v. Cylindrical Equal Area Projection.
- vi. Mercator's Projection.

UNIT 3. STUDY OF WEATHER INSTRUMENTS AND WEATHER REPORTS 20

• **Weather Instruments**

- i) Thermograph ii) Barograph iii)Wet and Dry bulb Thermometer
- iv) Cup Anemometer v) Rain gauge vi) Hair hygrometer

• **Isobaric pattern and weather associated with them:**

Cyclone, Anticyclone, Secondary Cyclone, Wedge, Ridge, Col.

• **The Study of Indian Daily Weather Reports**

A) Signs and Symbols used in IMD Chart

B) Interpretation of Weather Reports : Summer, Rainy and Winter seasons.

- i) Day , Date, Time and Season ii) Air pressure iii) Wind
- iv) Rainfall v) Cloud condition vi) Other phenomena
- vii) Sea condition viii) Temperature departure from normal

UNIT 4. Representation of Statistical Data by following Cartographic Techniques 10

- i. Climograph ii. Hythergraph iii. Ergograph (Crop Calendar)
- iv. Star Diagram v. Traffic Flow cartogram vi) Dot Method

UNIT 5. INTRODUCTION TO REMOTE SENSING 10

- Definition & Concept of Remote Sensing

- Types of Sensor and Platform
- Types of Aerial Photographs
- General Equipments used in Aerial Photo interpretation.
 - i) Pocket Stereoscope ii) Mirror Stereoscope
- Aerial Photo interpretation elements: Size, Shape, Shadow, Tone, Texture, Colour, Associated features.
- Visual interpretation of Aerial Photographs.

UNIT 6. INTRODUCTION TO COMPUTER, G.I.S. AND G.P.S. 20

A) Computer : Evolution of Computer, Components: Input & Out put device
Construction of Line Graph, Bar Graph and Pie diagram with the help of computer.

B) Geographical Information System (G.I.S.)

- i) Definition, Component and technical element of G.I.S.
- ii) Basic functions of G.I.S. iii) Application of G.I.S. in Geography.

C) Global Positioning System (G.P.S.)

- i) Introduction, Determinants and Components of G.P.S.
- ii) Application of G.P.S. in Geography

UNIT 7. JOURNAL & VIVA 10

SOLAPUR UNIVERSITY, SOLAPUR
New Syllabus For B.A. PART III GEOGRAPHY (Special)
Practical Paper II (Annual)

**Topographical Maps, Statistical Methods and Field
Work**

(W. E. F. June 2015)

Course No.: ASG - 305

Marks :- 100

Objectives:

1. To acquaint the students with the principles of surveying, its importance & utility in the geographical studies.
2. To introduce the students about importance & use of quantitative methods in the study of geography.
3. To acquaint the students with the field study of physical & cultural aspects.

UNIT 1. METHODS OF REPRESENTATION OF RELIEF 15

- 1 Methods Representation of Relief by – Spot height, layer tint, Hatures, Form lines, Contours
- 2 Representation of Relief features by Contours –
i) Conical Hill i) Plateau iii) Mountain Cliff iv) Sea Cliff v) Waterfall
vi) Valley vii) Gorge viii) Ridge ix) Saddle
- 3 Representation of Slope by Contours –
i) Gentle ii) Steep iii) Even iv) Uneven v) Concave vi) Convex vii) Terraced
- 4 Methods of expression of Slope – Gradient , Degree, Percentage & Mills

UNIT 2. STUDY OF S.O.I. TOPOSHEET 15

1. Indexing of Toposheet
2. Signs and Symbols used in S.O.I. Toposheets.
3. Interpretation of S. O. I. Toposheets (Plain, Plateau & Mountain region) with respect to following points –
A) Marginal information
B) Physiographic information – i) Relief ii) Drainage iii) Vegetation

i) Flood affected Village ii) Problem of Village or City such as Pollution, water resources, Population, Electricity, Slum, Housing, Road, Industry, Health, Education, City traffic, Land use, Productivity, any environmental degradation or Any other problem related to local area. (Period of field work maximum one week. Student have submit report at the time of University Examination)

UNIT 6. STUDY TOUR TO IMPORTANT GEOGRAPHICAL PLACES 15

(Any where in India for a period of maximum 15 days)

(Student have submit excursion tour report at the time of University Examination)

UNIT 7. JOURNAL AND VIVA 10

Note:

- 1. Project work should be allotted in batches. Each batch should be 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, 2 Mirror Stereoscopes and 10 Remote Sensing Images.**

References: (For Practical Paper I & II)

1. Singh R. L. & Dutt P. K. (1979): Element of Practical Geography, Kalyani Publishers, New Delhi.
2. Singh R. & Kanaujia L.R.S. (1970): Map Work & Practical Geography, Central Book Depot, Allahabad.
3. John Bygott: An Introduction to Map Work & Practical Geography
4. Mishra R. P. & Ramesh (1986): A Fundamentals of Cartography, McMillan Co., New Delhi.
5. Robinson A. H. (1995): Elements of Cartography, John Wiley & Sons, U. S. A.
6. Ludar D. (1959): Aerial Photography Interpretation: Principles & Application, McGraw Hill, New York.
7. Curran Paul J. (1985): Principles of Remote Sensing, Longman, London.
8. Lillesand T. M. & Kefer R. W. (1994): Remote Sensing and Image Interpretation, John Wiley & Sons, New York.
9. Dr. Kumbhar Arjun: Practical Geography, Sumeru Prakashan, Mumbai.
10. Dr. Gatade D.G. & Dr. Adavitot S.C. (2007) - Practical Geography, Aksharlane Prakashan, Solapur