

RAJARSHI SHAHU MAHAVIDYALAYA, LATUR
(Autonomous)



Syllabus for the B. A. T.Y.
(Semester – V & VI)

Programme :-
B.A. (Competitive Examinations Programme – CEP)

Course : Geography

Credit Based Semester and Grading System

(With effect from June 2019)

Course : Geography

Class : B.A. T.Y. (CEP)

Sem.	Title of Paper	Course Code	Total Lectures	Internal marks	External Marks	Total Marks	Credit
V	Environmental Geography - IX	U-GEO-645	50	20	30	50	2
V	World Geography - X	U-GEO-646	50	20	30	50	2
V	Practical Geography - V (Lab. Course)	U-GEO-647	45	20	30	50	2
VI	Agriculture Geography - XI	U-GEO-745	50	20	30	50	2
VI	Geography Of Natural Resources : Soil And Water - XII	U-GEO-746	50	20	30	50	2
VI	Practical Geography - VI (Lab. Course)	U-GEO-747	45	20	30	50	2

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B. A. (Competitive Examinations Programme – CEP)

Semester - V

Class : **B.A. T.Y. (CEP)**

Sub. : **Geography**

Course Title : **Environmental Geography - IX**

Course Code : **U-GEO-645**

Lectures : 50

Marks : 50

Credit : 2

Objectives:

- 1) To create awareness among the students about the Environment.
- 2) To develop interest among student about environmental problem.

Outcomes:

At the end of the semester the students will be able to:

- 1) Student becomes aware about the environment.
- 2) They familiarize with environmental issues and problems and management of it.
- 3) Understand the biodiversity Hot spot.
- 4) Understand the Meghadiversity centers in the world.

Unit : 1) Ecology & Ecosystem

- 1.1) Meaning of Ecology & Ecosystem.
- 1.2) Types of Ecosystem.
- 1.3) Structure of Ecosystem.

Unit : 2) Biodiversity

- 2.1) Meaning & importance of Biodiversity.
- 2.2) Causes of reduction in biodiversity & depletion of forest.
- 2.3) Distribution of biodiversity in India.
- 2.4) Biodiversity conservation in India.

Unit : 3) Environmental Degradation & climate change.

- 3.1) Pollution
- 3.2) Global Warming & climate change.
- 3.3) Environmental laws & environmental impact assessment.

Unit : 4) CRZ - 1 & CRZ - 2

- 4.1) Meaning and Structure of CRZ
- 4.2) Classification of CRZ

Suggested Readings :

1. Savindra Singh, (2000): Environmental Geography. Prayag Pustak Bhavan, Allahabad.
2. Alexander, D. (1993): Natural Disasters. UCL Press Ltd, London.
3. P.C Sinha ; Introduction to Disaster managements; Anmol Publication Pvt. Ltd., New Delhi.
4. B. Narayan, Disaster Management ; Super Book Distributor, New Delhi.
5. I. Mohan, Environmental Problems in 21st Century, Anmol Publication Pvt, Ltd. New Delhi.
6. Singh R.B. & Mishra S. (1996) Environmental Laws in India ,Issues & Responses, Rawat Publication, New Delhi.

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Semester - V

Class : B.A. T.Y. (CEP)

Sub. : Geography

Course Title : World Geography - X

Course Code : U-GEO-646

Lectures : 50

Marks : 50

Credit : 2

Objectives :

- 1) To provide students with an introduction to the discipline of Geography, help them learn how a Geography perspective helps us understand the world around us.
- 2) The course gives an overview of the human and physical geographies of each of the world's main regions and explores the ways in which geography helps us understand the region's history as well as the cultures and daily lives of the people who live there.

Outcomes :-

At the end of the semester the students will be able to:

- 1) Students learnt how to Geographical perspective helps them to understand the world around them.
- 2) Students got information about human and physical geographical regions and understood the World region's history and cultures.
- 3) Understand China's monopoly on rare earth minerals.
- 4) Understand the Geography of Japan, China, Russia.

Unit : 1) Asian Countries

- 1.1) Physical Structure
- 1.2) Climatic Condition
- 1.3) Industrial Structure
- 1.4) Mineral Distribution

Unit : 2) African Countries

- 2.1) Physical Structure
- 2.2) Climatic Condition
- 2.3) Industrial Structure
- 2.4) Mineral Distribution

Unit : 3) European Countries

- 3.1) Physical Structure
- 3.2) Climatic Condition
- 3.3) Industrial Structure
- 3.4) Mineral Distribution

Unit : 4) Oceanian Countries

- 4.1) Physical Structure
- 4.2) Climatic Condition
- 4.3) Industrial Structure
- 4.4) Mineral Distribution

Suggested Readings :

1. Indian and World Geography, Majid Hussain, McGrawHill Edu.
2. Indian and World Geography, D.R. Khullar, Access Publishing.
3. World Geography, D.R. Khullar, Access Publishing.
4. World Geography, Majid Hussain, McGrawHill Edu.
5. World Regional Geography, Dr. B.A. Mir, Kashmir Book Depot.
6. Geography, Spectrum's Pub.
7. Geography, Volume I, K.Sidharth and Mukharji.

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Semester - V

Class : B.A. T.Y. (CEP)

Sub. : Geography

Course Title : Practical Geography – V (Lab Course)

Course Code : U-GEO-647

Lectures : 45

Marks : 50

Credit : 2

Objectives:

- 1) To understand the different types of map projections and use of it.
- 2) To know the statistical techniques.
- 3) To understand the importance and use of computer in geography.

Outcomes:

At the end of the semester the students will be able to:

- 1) Students acquired the knowledge of Map projections and its uses.
- 2) Understand the use of Mercator's Projection.
- 3) Understand the history of projection.

Unit : 1) Projection.

- 1.1) Definition and Classification of Projection.
- 1.2) Construction, Properties and Uses of Following Projections
 - a) Zenithal Polar Gnomonic Projections.
 - b) Zenithal Polar Equal Area Projection.
 - c) Conical Projection With One Standard Parallel.
 - d) Bonne's Projection.
 - e) Cylindrical Equal Area Projection.
 - f) Marcator's Projection.

Unit : 2) Journal and Viva-Voce

Suggested Readings :

1. Sing and Sing: Mapwork and Practical Geography.
2. Singh L. & Dutta P.K. : Elements of Practical Geography.
3. Hammod & Mc. Gullah : Quantitative Techniques in Geography.
4. Croxton & Cowden: Applied General Statistics.
5. Sarkar A.: Practical Geography
6. Khan Z.A.: Text book of practical Geography

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Semester - VI

Class : **B.A. T.Y. (CEP)**

Sub. : **Geography**

Course Title : **Agriculture Geography - XI**

Course Code : **U-GEO-745**

Lectures : 50

Marks : 50

Credit : 2

Objectives :

- 1) To make students aware about agricultural patterns of the world.
- 2) To understand the agricultural operations in India in context of world.

Outcomes:

At the end of the semester the students will be able to:

- 1) Understand the patterns of agriculture in the world.
- 2) Student becomes aware about the environment.
- 3) Student becomes aware about the water.
- 4) Understand the problems of water management.

Unit : 1) Agroecology

- 1.1) Agroecology and its relevance to man and natural resources
- 1.2) Sustainable management and conservation

Unit : 2) Factors influencing on agriculture

- 2.1) Physical factors
- 2.2) Non-physical factors

Unit : 3) Types of agriculture

- 3.1) Intensive agriculture
- 3.2) Extensive agriculture
- 3.3) Shifting cultivation

Unit : 4) Distribution and production of major crop in the world

- 4.1) Rice and wheat
- 4.2) Sugarcane and cotton
- 4.3) Tea and rubber

Reference Books :

1. Bayliss Smith, T.P.: The Ecology of Agricultural Systems. Cambridge University Press, London.1987.
2. Berry, B.J.L.et.Al: The Geography of Economic Systems. Prentice Hall, New York. 1976.

3. Brown, L.R.: The Changing world Food Prospects- The Nineties and Beyond. World Watch Institute, Washington D.C.1990.
4. Dyson,T.: Population and Food- Global Trends and Future Prospects, Routledge, London,1996.
5. Gregor,H.P.: Geography of Agriculture. Prentice Hall, New York, 1970.
6. Grigg, D.B.: The Agricultural Systems of the World, Cambridge University Press, New York.1974.
7. Phule S.J.: Krushi Bhugol,VidhyaBharti Prakashan,Latur,2000.

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Semester - VI

Class : **B.A. T.Y. (CEP)**

Sub. : **Geography**

Course Title : **Geography of Natural Resources :**

Course Code : **U-GEO-746**

Soil and Water -XII

Lectures : 50

Marks : 50

Credit : 2

Objectives :

- 1) To understand the importance of natural resources.
- 2) To understand the use of natural resources in the development.
- 3) To make aware about the conservation of natural resources.

Outcomes :

At the end of the semester the students will be able to:

- 1) Understand the Soil formation process.
- 2) Understand the
- 3) Understand the major types of agriculture.
- 4) Understand the problems of Indian agriculture.

Unit : 1) Processes and factors of Soil Formation

- 1.1) Weathering
- 1.2) Soil Forming Process
- 1.3) The Factors Which Affects the Formation and Development of Soil

Unit : 2) Characteristics of Soil

- 2.1) Physical Characteristics of Soil
- 2.2) Chemical Characteristics of Soil

Unit : 3) Water Management

- 3.1) Groundwater Management : Technical and Social Aspects
- 3.2) Methods of Artificial Groundwater Recharge
- 3.3) Concept of Watershed and Watershed Management
- 3.4) Water use efficiency in Relation to Crop Production
- 3.5) Ways and Means of Reducing Run-off Losses of Irrigation
- 3.6) Drip and Sprinkler Irrigation
- 3.7) Interlinking of Rivers in India

Suggested Readings :

1. Brereton, E. 1992 : *Resource Use and Management*, Cambridge U Press, Cambridge:
2. Elliotte, j. A. 1994 : *An Introduction to Sustainable Development: The Developing World*, Routledge, London:

3. Mitchell, B. 1997 : *Resources and Environment Management*, Addison Wesley London Ltd., Harlow
4. Pickering, K. and Owen, L.A. 1997 : *An Introduction to Global Environmental Issues*, 2nd edition, Routledge, London:
5. Johnston, R.J., Taylor, P.J. and Watts, M.J. (editors) : 1995: *Geographies of Global Change: Remapping the World in the Late Twentieth Century*, Blackwell, Oxford: 440p.
6. United Nations Populations Fund 1997 : *India Towards Population and Development Goals*, Oxford University Press, New Delhi:
7. Unwin, T. (editor) 1994: *Atlas of World Development*, John Wiley and Sons Ltd., Chichester:
8. World Bank 1996: *From Plan to Market: World Development Report 1996*, Oxford University Press, Oxford
9. World Resources Institute 1998: *World Resources 1998-99: A Guide to the Global Environment*, Oxford University Press,
10. Zimmerman, E.W, *World Resources & Endustries*.
11. Negi, B.S. (1997) *Geography of Resources*, Rastogi Pub., Meerut.

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Semester - VI

Class : **B.A. T.Y. (CEP)**

Sub. : **Geography**

Course Title : **Practical Geography – VI (Lab Course)**

Course Code : **U-GEO-747**

Lectures : 45

Marks : 50

Credit : 2

Objectives:

- 1) The Students be supposed to learn use Quantitative Methods in Geographical study.
- 2) The Students should learn the techniques in Land Survey.

Outcomes:

At the end of the semester the students will be able to:

- 1) Use statistical techniques in geography and uses of computers.
- 2) Use and analyze statistical data.
- 3) Understand the importance of computer in Geography.

Unit : 1) Measurement of Central Tendencies

- 1.1) Mean
- 1.2) Median
- 1.3) Mode (In Simple, Discrete and Continuous Series)

Unit : 2) Application of Computer in Geography

- 2.1) Importance of Computer
- 2.2) Application of Computer in Geography
- 2.3) Application of Computer in Practical Geography

Suggested Readings :

1. Gregory, S. Statistical Methods and the Geographers. Longman S. London, 1963
2. Khan, Z.A. Text Book of Practical Geography Concept Publishing Co. New Delhi.
3. Lawrence, G.R.P. Cartographic Methods. Methuen, London, 1968.
4. Monkhouse, F.J. & H.R. Wilkinson. Maps and Diagrams. Methuen. London, 1994.
5. Pal, /s. K. Statistics for Geoscientists- Techniques and Approaches. Concept, New Delhi, 1998
6. Sarkar, A.K. Practical Geography- A Systematic Approach. Orient Longman, Calcutta, 1997.
7. Raisz, E. (1962): Principles of Cartography, McGraw Hill, New York.
8. Robinson, A. H., Sale. R. D., Morrison, J. L. and Muchrcke, P. C. (1984): Elements of Cartography. 5th edition, John Wiley and Sons, Inc. New York.
9. Sharma, J. P. (2001): Prayogik Bhugol., Rastogi Publication, Meerut 3rd edition.
10. Singh, R.L. and Singh Raila P.B. (1993): Elements of Practical Geography. (Hindi and English editions). Kalyani Publishers, New Delhi.
11. D.J. Unwin & J.A. Dawson (1987): Computer Programming for Geographers, Longman, London.
12. Monmonier, M.S. (1982) : Computer Assisted cartography, Prentice Hall.

13. David J. Maguire (1989) : Computers in Geography, Longman scientific & Technical, London.
14. Paul M. Mather (1993): Computer application in geography John Wiley & Sons, New York U.S.A.
15. Cole & King (1968): Quantitative Geography.
16. Hagget Peter (1990): Geography a modern synthesis Harper international, New York.
17. Hammond B.(1974) : Quantitative techniques in Geography, McCullagh Pclarendon press.
