RAJARSHI SHAHU MAHAVIDYALAYA, LATUR

(Autonomous)

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

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

Course : Geography

CBCS Pattern
Credit Based Semester and Grading System

(Syllabus with effect from June 2019)

Rajarshi Shahu Mahavidyalaya (Autonomous), Latur

B. A. S.Y. (Competitive Examinations Programme - CEP)

CBCS Pattern

Semester - V

Sub : Geography

Course Code :

Course Title : **Environmental Geography (IX)**

Credit : 3 **Marks : 50** **Lectures : 47**

Objectives:

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

Outcomes:

1) Student becomes aware about the environment.
2) They familiarize with environmental issues and problems and management of it.

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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CBCS Pattern

Semester - V

Sub : Geography

Course Code :

Course Title : **World Geography (X)**

Credit : 3 **Marks : 50** **Lectures : 47**

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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 :-

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.

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) North American Countries

4.1) Physical Structure

4.2) Climatic Condition

4.3) Industrial Structure

4.4) Mineral Distribution

Unit : 5) South American Countries

5.1) Physical Structure

5.2) Climatic Condition

5.3) Industrial Structure

5.4) Mineral Distribution

Unit : 6) Oceanian Countries

5.1) Physical Structure

5.2) Climatic Condition

5.3) Industrial Structure

5.4) 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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B. A. S.Y. (Competitive Examinations Programme - CEP)

CBCS Pattern

Semester - V

Sub : Geography

Course Code :

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

Credit : 3 **Marks : 50** **Lectures : 47**

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:

1) Students acquired the knowledge of Map projections and its uses.
2) Students are able to use statistical techniques in geography and uses of computers.

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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CBCS Pattern

Semester - VI

Sub : Geography

Course Code :

Course Title : **Agriculture Geography (XI)**

Credit : 3 **Marks : 50** **Lectures : 47**

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:

1) During the latter half of the 20th century, significant area-based action plans & programmers for the development of agriculture were formulated & implemented in the development in the developing countries. Though most of these plans were based on the territorial & social necessities, they were influenced by the "political usefulness" of the concerned nation.
2) In fact the outcome of here plans depended on how well the planners, the decision makers, the politicians & the people could utilize the nations natural & human resources in an honest & efficient manner.

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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CBCS Pattern

Semester - VI

Sub : Geography

Course Code :

Course Title : **Geography of Natural Resources : Soil and Water (XII)**

Credit : 3 **Marks : 50** **Lectures : 47**

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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 :

1) Our mother earth is the most precious gift of the universe. It is the sustenance of "Nature" that is a key to development of the future of mankind. It is the duty & responsibility of each one of us to protect nature. It is here that understanding of the "Environment" comes into the picture. The degradation of our environment is linked with the development process & the ignorance of people & students about retaing the ecological balance. Indeed no citizen of the earth can offord to remain aloof from the issues related to the environment.

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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CBCS Pattern

Semester - VI

Sub : Geography

Course Code :

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

Credit : 3 **Marks : 50** **Lectures : 47**

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:

1) Student become skilled at use of Quantitative Methods in Geographical study
2) They are trained in land survey technique.

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. Lawarence, G.R.P. Cartograpinic Methods. Methuen, London, 1968.
4. Monkhouse, FJ. & H.R. Winkinson. 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. (I 984): 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.Unnwin & 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.

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