Third Semester M.Sc. Examination, May 2014
GEOGRAPHY
Physical Geography of India with Reference to Karnataka

Time: 3 Hours
Max. Marks: 80

Instructions: Answer the following questions. Those who have opted Kannada medium may answer in Kannada.

SECTION – A

Answer any four questions from the following:
(4x5=20)

1. Land and water frontiers of India.

2. Importance of northern mountains of India.

3. Write a note on rivers of peninsular India.


5. Define Drought and mention types of droughts.

SECTION – B

Answer any three questions from the following:
(3x10=30)

6. Mention the Physiographic divisions of India and explain any one in detail.

P.T.O.
7. Explain the distribution of soils in Karnataka.

8. Discuss the origin and diffusion of southwest monsoon and explain its importance in Indian economy.

9. Explain the Trewartha’s climatic classification in India.

10. Define watershed management and explain its management practices.

SECTION – C

Answer any two questions from the following:

11. Explain the causes and consequence of droughts in India.

12. What are depressions? Explain characteristics of tropical cyclones in India.

13. Mention seasons in India explain the characteristics of winter season in India.

14. Write a note on major dry lands in India and its problems.
III Semester M.Sc. in Geography Examination, May 2014
URBAN GEOGRAPHY

Time : 3 Hours
Max. Marks : 80

Instructions: Answer all questions. Those who have opted Kannada may answer in Kannada.

PART – A

Note: Answer any four questions.

1. Nature of Urban Geography.
2. Census criteria to recognize a place as urban in India.
3. Metropolitan cities.
4. Basic and non-basic functions of city.
5. Population threshold and range of goods.
6. Slums as urban menace.

PART – B

Note: Answer any three questions:

7. Discuss the approaches to study Urban Geography.
8. Discuss the functional classification of American towns proposed by C.D. Harris.

9. Distinguish the characteristics of Megalopolis and Ecumenopolis.

10. Examine the factors influence urbanization.

11. Write a note on the Concentric Zone theory of Urban Landuse by Burgess.

PART – C

Note: Answer any two questions: (15x2=30)

12. Examine the growth of ancient, medieval and modern cities in India.

13. Compare the trends of urbanization in developed and less developed countries.

14. Discuss the concept and methods used in social area analysis.

15. Explain the problems of urbanization.
III Semester M.Sc. in Geography Examination, May 2014
AGRICULTURAL GEOGRAPHY

Time: 3 Hours
Max. Marks: 80

Instructions: Answer all questions. Those who have opted Kannada may answer in Kannada.

PART - A

Note: Answer any four questions. (5x4=20)

1. Origin and diffusion of agriculture.

2. Effects of temperature on agriculture.

3. Consequences of fragmentation of land holding.

4. Significance of statistical methods in Agricultural Geography.

5. Crop concentration and crop diversification.

PART – B

Note: Answer any three questions. (10×3=30)

7. Discuss the domestication of animals in the World. 
8. Discuss the role of transport and market in the development of agriculture. 
9. Explain the various methods of crop combination with examples. 
10. Explain the merits and demerits of Green Revolution. 
11. Discuss the causes of food shortages with examples.

PART – C

Note: Answer any two questions. (15×2=30)

12. Discuss the influence of physical factors on agriculture with suitable examples. 
13. Describe agricultural regions of India with suitable examples. 
14. Explain the salient features of Von Thunen’s model of agricultural land use. 
15. Discuss the role of Green Revolution on regional disparities.
III Semester M.Sc. in Geography Examination, May 2014
FUNDAMENTALS OF REMOTE SENSING

Time: 3 Hours
Max. Marks: 80

Instructions: Answer all questions. Those who have opted Kannada may answer in Kannada.

PART – A

Note: Answer any four questions.
(5×4=20)

1. Remote sensing.

2. Indian space research organisation.

3. Thermal remote sensing.

4. Visible part of EMR.

5. Types of Resolution.

6. Scattering of EMR.

PART – B

Note: Answer any three questions.
(10×3=30)

7. Give an account of the processes of remote sensing.

P.T.O.
8. Write a note on the history of remote sensing in India.

9. Explain the characteristics of polar orbit satellites.

10. Explain how energy interact with earth's surface reactions.

11. Explain the application of remote sensing.

PART - C

Note: Answer any two questions. 

12. Explain the important processes of remote sensing.

13. Give an account of electro magnetic spectrum with a neat diagram.

14. Explain spectral reflectance curve with reference to vegetation and water bodies.

15. Explain geo stationary and polar orbiting satellites.