Second Semester M.Sc. in Geography Examination, January 2015
CLIMATOLOGY

Time: 3 Hours
Max. Marks: 80

Instructions: 1) Answer the following questions.
2) Those who have opted Kannada may answer in Kannada.

PART - A

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

1. Structure of atmosphere.
2. Conventional heating process of atmosphere.
3. ITCZ.
4. Seasonal winds.
5. Dynamic process of Hadley cell.
6. Thermodynamic modification of Air masses.

P.T.O.
PART – B

Answer any three questions of the following: (3×10=30)

7. Define insolation. Describe the factors that determine insolation received on the Earth’s surface.

8. What is an Air mass? Explain the pre-requisites of Air mass origin.

9. With the help of a diagram, explain the concept of Heat Budget.

10. Explain the distribution of pressure belts on the earth’s surface with a diagram.

11. Elucidate the various stages of formation of temperate cyclone.

PART – C

Answer any two questions of the following: (2×15=30)

12. Explain the types of planetary winds with a diagram.

13. Describe the characteristics of tropical cyclone.

14. Discuss the Koeppen’s classification of world climate.

15. Evaluate the causes for global climate change and its impact on agriculture.
Second Semester M.Sc. in Geography Examination, January 2015
OCEANOGRAPHY

Time: 3 Hours
Max. Marks: 80

Instructions: 1) Answer the following questions.
2) Those who have opted Kannada may answer in Kannada.

PART - A

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

1. Influence of salinity on sea temperature.
   ಅರೆಯ ಸಾಲಿನ ಪ್ರಮಾಣಿಯಿಂದ ಮೇಲ್ಮೈ ಜೀವಿತವಿನ ಪ್ರಮಾಣ.

2. Neap tides
   ನೇಪ್ ತಿಂಡಿಗಳನ್ನು

3. Sea trenches
   ಸೀ ತೀಟ್ರ್ಗಳನ್ನು

4. Gulf stream
   ಗುಫ್ ಸ್ಟ್ರೀಮ್ಗಳನ್ನು

5. Causes of salinity
   ಅರೆಯ ಕಾರಣಗಳು

6. Features of currents
   ಸಂಪ್ರದಾಯಗಳು
PART – B

Answer any three questions of the following: \(3 \times 10 = 30\)

7. Explain the important factors determining the distribution of temperature both horizontally and vertically in oceans.

8. Illustrate the relief of Atlantic Ocean.

9. Explain the progressive wave theory of Whewell.

10. How does a reef develop and revolve into an atoll?

11. Give reasons for the variation in the distribution of salinity in ocean waters.

PART – C

Answer any two questions of the following: \(2 \times 15 = 30\)

12. Describe the relief features found in the ocean basin.

13. Explain the determining factors of origin and nature of circulation of ocean currents?

14. Explain the Atlantic and the Pacific Ocean currents.

15. Explain the important theories of origin of coral reef and atolls.
Second Semester M.Sc. in Geography Examination, January 2015
POPULATION GEOGRAPHY

Time: 3 Hours
Max. Marks: 80

Instructions: 1) Answer the following questions.
2) Those who have opted Kannada may answer in Kannada.

PART - A

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

1. Define Population Geography.

2. Explain various types of population density.

3. Explain various measures of fertility.

4. Write a note on Age pyramid.

5. Explain the importance of balanced sex-ratio.

6. Write a note on population projection.
PART - B

Answer any three questions of the following:

7. Explain different sources of population data.
8. Explain factors which affect population density.
9. Describe various types of migration.
10. Explain the trend and growth of literacy in India.
11. Discuss the salient features of population policies in LDCs.

PART - C

Answer any two questions of the following:

12. Explain the growth of population geography as separate branch.
13. Explain the major features of Malthusian theory of population.
14. Explain the determinants and consequences of migration.
15. Explain the importance and major features of population policy in India.
Second Semester M.Sc. in Geography Examination, January 2015
DEVELOPMENT OF GEOGRAPHICAL THOUGHT

Time: 3 Hours  Max. Marks: 80

Instructions: 1) Answer the following questions.
              2) Those who have opted Kannada may answer in Kannada.

PART A

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

1. Explain the contribution of Hipparchus for the development of map making.

2. Discuss the contribution of Strabo for the development of regional geography.

3. Explain the concept of continents developed in ancient India.

4. Explain the contribution of Carl Ritter for the development of Geography.

5. Give an account of quantitative revolution in Geography.

PART – B

Answer any three questions of the following:  
(3×10=30)

7. Discuss the growth of major branches of Geography during the medieval time.
   ವಿಜ್ಞಾನದ ವೈವಿಧ್ಯ ಮತ್ತು ಪ್ರಾಯಾಧಿಕೀಯ ವಿಜ್ಞಾನದ ವೈವಿಧ್ಯ ಪ್ರತಿಯೋಗಿತೆಯ ಅಧಿಕಾರ.

8. Describe the causes for the discovery of new land masses.
   ನಿಪುಣ ಮತ್ತು ಪ್ರತಿಭೃತ ವಿಶೇಷತೆಗಳು ಹೊಂದಿರಬಹುದು ಮಾನ.

9. Discuss the significant field of Geography according to Varenius.
   ವಾರೆನಿಯಸ್ ನಂಡು ವಿಶೇಷತೆಗಳು ಪ್ರತಿಯೋಗಿತೆ ಪ್ರತಿಯೋಗಿತೆಯ ಅಧಿಕಾರ.

10. Explain the contributions of American school of thought.
    ಅಮೆರಿಕಾದ ಶಿಲ್ಪಕ್ಕೆ ಮತ್ತು ವಿದ್ಯೆ ಮೂಲಕ ಮಾನ.

    ಅರಬರ ಶಿಲ್ಪಕ್ಕೆ ಮತ್ತು ವಿದ್ಯೆ ಮೂಲಕ ಮಾನ.

PART – C

Answer any two questions of the following:  
(2×15=30)

12. Discuss in detail the contribution of Greek’s geography.
    ಗ್ರೀಕ್ ವಿಶೇಷತೆಗಳು ಮತ್ತು ವಿದ್ಯೆ ಮೂಲಕ ಮಾನ.

13. Explain the contribution of Romans to the development of Geography.
    ರೋಮನ್ ವಿಶೇಷತೆಗಳು ಮತ್ತು ವಿದ್ಯೆ ಮೂಲಕ ಮಾನ.

    ಆಂಧ್ರವ್ಯವಹರ್ ವಿಶೇಷತೆಗಳು ಮತ್ತು ವಿದ್ಯೆ ಮೂಲಕ ಮಾನ.

15. Explain the major contribution of German scholars to the development of geography.
    ಜರ್ಮನ್ ವಿಶೇಷತೆಗಳು ಮತ್ತು ವಿದ್ಯೆ ಮೂಲಕ ಮಾನ.