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.
   ವಿಶ್ರಾಮದ ಸ್ಥಳ.

2. Conventional heating process of atmosphere.
   ವಿಭಾಗಿತರ ಸೂರ್ಯನ್ನಿಗೆ ಸಾರಿಕಾರ.

3. ITCZ.
   ಸೂರ್ಯನ್ನಿಗೆ ಸಾರಿಕಾರ.

4. Seasonal winds.
   ಪಾರ್ಶ್ವರ್ಜೀವ ಸೂರ್ಯನ್ನಿಗೆ.

5. Dynamic process of Hadley cell.
   ಹಡಲ್ ಸಾರಿಕಾರ ಸೂರ್ಯನ್ನಿಗೆ.

6. Thermodynamic modification of Air masses.
   ವರ್ಜೀವ ಸರಾಸರಿ ಸಲ್ಲಿಸುವ ರಾಜಧಾನಿ.
PART – B

Answer any three questions of the following:

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:

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: (4×5=20)

1. Influence of salinity on sea temperature.
2. Neap tides
3. Sea trenches
4. Gulf stream
5. Causes of salinity
6. Features of currents

PART - B

Answer four out of the following six questions (3×5=15)

1. Explain the formation of Trenches.
2. Name the different types of floor of an ocean.
3. Describe the characteristics of Submarine Canyons.
4. Explain the East Australian Current (EAC) and its role in marine environment.
5. What is the role of Ocean Currents in the global climate?
6. Explain the importance of coastal currents for the marine ecosystem.

P.T.O.
PART – B

Answer any three questions of the following: (3x10=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: (2x15=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:

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 (3x10=30)

7. Explain different sources of population data.
   ಪ್ರತಿದಿನ ಮಾಲಿಕೆಯ ಮೂಲಕ ಜನರು ಒಂದು ನೇತ್ರದಲ್ಲಿಯಾಗಿರುತ್ತಾರೆ.

8. Explain factors which affect population density.
   ಜನಸಂಖ್ಯೆಯ ವಿದ್ಯಾಂತದಲ್ಲಿ ವಿವಿಧಲಿಕೆಗಳು ಮತ್ತು ವೈವಿಧ್ಯಗಳು.

9. Describe various types of migration.
   ಮೇಲಿನ ಮೂಲಕ ಮಾರ್ಗ ಮಾರ್ಗಭಾಷೆಯನ್ನು ವಿವರಿಸಿ.

10. Explain the trend and growth of literacy in India.
    ಭಾರತದಲ್ಲಿ ಪ್ರತಿನಿಧಿಯುಗುದಿಯಾದ ಜನರ ಪ್ರತಿಯೊಂದು ಪ್ರೈವೆಟ್ ಜಿಲ್ಲಾ.

11. Discuss the salient features of population policies in LDCs.
    ದೊಡ್ಡವಾದ ಪ್ರತಿಯೊಂದು ಲಾಖದಲ್ಲಿಯಾಗಿರುತ್ತಾರೆ ಮತ್ತು ಪ್ರತಿಯೊಂದು ಜಿಲ್ಲಾ ಈ ವ್ಯವಹಾರದಲ್ಲಿ ವಿವರಿಸಿ.

PART – C

Answer any two questions of the following: (2x15=30)

12. Explain the growth of population geography as separate branch.
    ಜನರ ಹೊತ್ತು ವ್ಯವಸ್ಥೆಯ ಮೂಲಕ ವಿಷಯವಾಗಿ ವಿವರಿಸಿ.

13. Explain the major features of Malthusian theory of population.
    ಮಯ್ತರೇಜದ ಜನರ ಶ್ರೇಣಿಯ ಮೂಲಕ ವಿವರಿಸಿ.

14. Explain the determinants and consequences of migration.
    ಮತ್ತು ವೈವಿಧ್ಯಗಳು ವಿದ್ಯಾಂತದಲ್ಲಿ ಭಾರತದಲ್ಲಿ ಜೆಡಿ ಹಾಗು ಮಾನವಮಾಡುತ್ತಾರೆ.

15. Explain the importance and major features of population policy in India.
    ಜನರ ಅರಿಂದಿಗೆ ವಿವರಿಸಿ ಮತ್ತು ಲಿಂಬಲಿಲೆಗೆ ವಿವರಿಸಿ.

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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: (4×5=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 an 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: \( (3 \times 10 = 30) \)

7. Discuss the growth of major branches of Geography during the medieval time.

8. Describe the causes for the discovery of new land masses.

9. Discuss the significant field of Geography according to Varenius.

10. Explain the contributions of American school of thought.


PART – C

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

12. Discuss in detail the contribution of Greek’s geography.

13. Explain the contribution of Romans to the development of Geography.


15. Explain the major contribution of German scholars to the development of geography.