

CENTRAL UNIVERSITY OF HARYANA

Term End Examinations, January 2023

Programme : M.Sc. Geography

Semester : III

Course Title: Regional Development and Planning

Course Code: SBS GEO 1 3 12 C 3104

Session: 2022-23

Max. Time: 3 Hours

Max. Marks : 70

Note: There are **total five questions** in this question paper and all are **compulsory**. Each Question carries **Fourteen Marks**.

Question no.1 has **seven sub parts** and students need to answer any four parts.

Question No1.

(4X3.5=14)

- Target Group Development.
- Concept of Regional Development.
- Stage of Rostow's Model.
- Establish a link among Schumpeter, Francois Perrox and Boudeville.
- Functions of NITI Aayog.
- What is Tribal area Planning?
- Industrial Development in Haryana. Mentioned the types and characteristics of Industrial clusters in Haryana.

Note: Question number **Two to Five** have three sub parts and students need to answer **any two sub part** of each question. Each sub part carries **seven marks**.

Question No.2

(2X7=14)

- Critically examine the methods of demarcation of formal and functional region.
- Explain the concept, characteristics and significance of planning region.
- What are approaches of regional planning? Elaborate any one approach.

Question No.3

(2X7=14)

- Explain the concept of regional development given by Albert O. Hirschman.
- Critically examine the Friedman's Core-Periphery model of regional development.
- Critically examine R.P. Misra's modified growth foci approach of regional development.

Question No.4

(2X7=14)

- Explain the development indicators with suitable examples.
- Identify the need, structure and problems of multi level planning in India.
- Examine the regional imbalance of development in India.

Question No.5

(2X7=14)

- a. Explain the agro-climatic regions of India.
- b. Explain the structure and utility of National Capital Region planning.
- c. Examine the regional imbalance in agricultural development in India.

CENTRAL UNIVERSITY OF HARYANA

Term End Examinations January 2023

Programme: M.Sc. Geography
Semester: Third
Course Title: Fundamentals of GIS and GNSS
Course Code: SBS GEO 1 3 11 C 3104

Session: 2022-23
Max. Time: 3 Hours
Max. Marks: 70

Instructions:

1. Question no. 1 has seven parts and students need to answer any four. Each part carries three and half Marks.
2. Question no. 2 to 5 have three parts and student need to answer any two parts of each question. Each part carries seven marks.

Q 1. (4X3.5=14)

- a) Explain spatial entities
- b) Discuss open-source GIS software
- c) Describe the components of GNSS
- d) Explain the non-spatial data
- e) Discuss NAVIC
- f) Define map projection
- g) Define datum

Q 2. (2X7=14)

- a) Discuss the historical development of GIS.
- b) What is GIS? Discuss the components of GIS in detail.
- c) Define raster and vector data models in GIS. Discuss the merits and demerits of these models critically.

Q3. (2X7=14)

- a) What is attribute data in GIS? Explain the various types of attribute tables and their characteristics.
- b) What is an overlay in GIS? Discuss its methods and characteristics.
- c) What is Data Base Management System (DBMS)? Discuss the relational model of DBMS in GIS.

Q 4. (2X7=14)

- a) What is GNSS? Explain the historical development of GNSS.
- b) How does GNSS work? Explain the concept in detail.
- c) Discuss the source of errors in GNSS and their correction.

Q 5. (2X7=14)

- a) What is cadastral mapping in GIS? Explain in detail.
- b) What is g-Governance? Discuss the role of GIS in g-Governance.
- c) What is surveying? Discuss the applications of GNSS in surveying.

CENTRAL UNIVERSITY OF HARYANA

Term End Examinations, January 2023

Programme: M.Sc. Geography

Semester : III

Course Title: Population and Demographic Studies

Course Code: SBS GEO 1 3 13 C 3104

Session: 2022-23

Max. Time: 3 Hours

Max. Marks : 70

Note: There are total five questions in this question paper and all are compulsory. Each Question carries Fourteen Marks.

Question no.1 has **seven sub parts** and students need to answer any four parts.

Question No1.

(4X3.5=14)

- a. Difference between demography and population studies
- b. United Nation and Population Data
- c. Demographic transition theory and development stage
- d. Pre Malthusian thought on population
- e. Demographic Dividends
- f. Urbanisation and Urban issues
- g. Population distribution in India

Note: Question number Two to Five have three sub parts and students need to answer any two sub part of each question. Each sub part carries seven marks.

Question No.2

(2X7=14)

- a. Explain the concept, scope and methodology of population geography.
- b. Elaborate the history, conduct and series of Indian Census data.
- c. Write a comment on- SRS, NFHS and NSS

Question No.3

(2X7=14)

- a. Give the formula of the following fertility and mortality measures and explain their merits, demerits and use: ASFR, GFR, ASMFR, TFR, GRR, ASDR, IMR.

- b. Critically examine the Malthusian theory of population.
- c. Make a Model Life Table while explaining its stepwise process, formula and meaning.

Question No.4

(2X7=14)

- a. Explain India's National Population Policy, 2000.
- b. Define Human Development Index and Compare the HDI of different states in India.
- c. Compare the fertility related policies of developed and developing countries.

Question No.5

(2X7=14)

- a. Critically examine the relationship between population and resources.
- b. 'Ageing population as a curse or boon', explain your perspective and why?
- c. Identify the relationship among population, health and education.

CENTRAL UNIVERSITY OF HARYANA

Term End Examination, January 2023

Programmer: M.Sc. Geography

Session: 2022-23

Semester: Third

Max. Time: 3 Hours

Course Title: Environmental Geography

Max. Marks: 70

Course Code: SBS GEO1306 DCEC 3104

Instructions:

1. Question no. 1 has seven sub parts and students need to answer any four. Each sub part carries three and half Marks.
2. Question no. 2 to 5 have three sub part and students need to answer any two sub part of each question. Each sub part carries seven Marks

Question No 1.

(4X3.5=14)

- a. Agenda-21
- b. Ozone Depletion
- c. Trophic Levels
- d. Biogeochemical Cycle
- e. Hazards
- f. Urban Heat Island
- g. Global Warming

Question No2.

(2X7=14)

- a) Discuss the approaches and methods of environmental geography.
- b) Explain the human- environment relationships.
- c) What is Ecology? Discuss its scope and concepts.

Question No. 3

(2X7=14)

- a) Explain the structures, component and functions of ecosystem.

- b) Discuss the energy flow in the ecosystem.
- c) Discuss the productivity and stability of ecosystem.

Question No. 4

(2X7=14)

- a) What is environmental degradation? Explain the soil degradation in detail.
- b) Explain the problem of solid waste management in India.
- c) Elaborate various issues and challenges of air pollution in NCR.

Question No.5

(2X7=14)

- a) What are the major objectives of the new environmental policy of India?
- b) Discuss the conservation of forest resources.
- c) What is the concept of INDC? Explain the INDC of major countries of the World.