2019

GEOGRAPHY

(Major)

Paper : 6.1

(Environment and Development)

Full Marks : 60

Time : 3 hours

The figures in the margin indicate full marks for the questions

1. Answer the following as directed : 1×7=7

(a) Who wrote the book, *Geography : A Modern Synthesis*?

(i) Peter Haggett

(ii) C. Park

(iii) A. Goudie

(iv) E. Huntington

(Choose the correct option)

(b) What is CFC?

(c) Define aerosols.

(d) When was Montreal Protocol adopted?
(i) 1992
(ii) 1987
(iii) 1997
(iv) 1986
(Choose the correct option)

(e) What do you mean by 'economic man'?

(f) What are pollutants?

(g) Who coined the term 'biodiversity'?

2. Write very short answers of the following : 2×4=8

(a) State biotic and abiotic components of an ecosystem.

(b) Define the term 'environmental degradation'.

(c) Distinguish between 'hazards' and 'disaster'.

(d) What are trophic levels?

3. Answer any *three* questions from the following : 5×3=15

(a) How do you differentiate between desertification and deforestation?

(b) In what ways, populatio
development are interrel

(c) Explain briefly the
approach in ma
relationship.

(d) Discuss briefly the impac
on environment with suit

(e) What is sustainable devel
are the steps taken b
Nations at the Earth Su
Janeiro (1992) for control
house gas emissions?

4. Answer any *three* questio
following :

(a) State the causes and
pollution in an urban env
special reference to Delh
city.

(b) "Indian biodiversity is u
threat." Justify the state

(c) Discuss in detail the probable consequences of global warming.

(d) Write in detail the causes of soil erosion and its impact on the river.

(e) Give an account of the major roles and goals of 'biosphere reserves'.

★★★

2019

GEOGRAPHY

(Major)

Paper : 6·2

(Social and Political Geography)

Full Marks : 60

Time : 3 hours

The figures in the margin indicate full marks for the questions

1. Answer the following as directed : 1×7=7

(a) Who first defined Social Geography?

(i) J. W. Watson

(ii) Fitzgerald

(iii) A. Buttimer

(iv) E. Jones

(Choose the correct one)

(b) Space expressed in terms of time, money, political formalities, social differences, etc., is called

(i) relative space

(ii) cognitive space

(iii) activity spcae

(iv) action space

(Choose the correct one)

(c) The Sumerian civilization was developed on the banks of

(i) Indus–Ganges

(ii) Hwang Ho–Yangtze Kiang

(iii) Nile–Congo

(iv) Euphrates–Tigris

(Choose the correct one)

(d) The concept of Lebensraum was proposed by

(i) Vidal de la Blache

(ii) Jean Brunhes

(iii) F. Ratzel

(iv) Carl Ritter

(Choose the correct one)

(e) Name the book of Social Geography written by M. Taher.

(f) Mention one element of Anatomy of the political area.

(g) Who is regarded as the Father of Political Geography?

2. Answer the following questions briefly : 2×4=8

(a) Define Political Geography.

(b) What is 'genre de vie'?

(c) What is social space?

(d) What is nation-state? Give an example.

(Continued)

3. Answer the following quest

(a) Find the distinctions and boundaries.

(b) Write five characteris

(c) Explain the process

(d) Write an account o boundary dispute be Nagaland.

(e) Write a short note o

4. Define Social Geography. and scope.

Or

What are the characteristic Explain the economic str life of a tribal society.

5. Explain the power analy functional approach of Po

Or

Discuss the internat problems of India with sp China and Pakistan.

6. "New scientific methods have, on the one hand, affected the natural environment, and on the other, the human society itself." Justify the statement in the light of 'influence of society on environment'. 10

Or

What is social change? Explain the different causes of social change. 2+8=10

★★★

2019

GEOGRAPHY

(Major)

Paper : 6·3

(Regional Geography of North-East India with Special Focus on Assam)

Full Marks : 60

Time : 3 hours

The figures in the margin indicate full marks for the questions

1. Answer the following as directed : 1×7=7

(a) As per the forest policy of India, forest cover should be ____% in the hilly area. (Fill in the blank)

(b) Name the State of N. E. India having highest share of forest cover.

(c) Name the States of N. E. India that share boundary with Myanmar.

(d) Name two National Parks of Meghalaya.

(e) As per the 2011 Census, _____% of population in Assam resides in the urban areas of the State.
(Fill in the blank)

(f) Name the State of N. E. India with lowest population along with its population density.

(g) Name a river of Southern Assam, which is tributary of the Barak river.

2. Answer the following questions briefly : 2×4=8

(a) Mention the major vegetation types of N. E. India.

(b) State the major problems associated with the growth of transport sector in N. E. India.

(c) Name two important tourist destinations located in western part of Assam.

(d) Mention the biodiversity hot spot zone of North-East India.

3. Answer any *three* of the following questions :
5×3=15

(a) Discuss briefly the locational issues and associated strategic significance of N. E. India.

(b) State the main characte of N. E. India.

(c) Give an outline of the ir on drainage system of

(d) Illustrate the influence on the distribution of N. E. India.

(e) Write briefly on Nationa

4. State the locational signifi India. Discuss its influence c strategic issues of the regior

Or

Discuss the climatic charact India and highlight its in natural vegetation of the reg

5. Discuss the population ch N. E. India. How is it differer India?

Or

Illustrate the trend of industr in N. E. India and discuss it prospects.

6. Discuss the potentiality and problems associated with the development of tourism in Assam. 10

Or

Illustrate the state of biodiversity in N. E. India and discuss the problems associated with its conservation. 5+5=10

★★★

2019

GEOGRAPHY

(Major)

Paper : 6·4

(Principles and Applications of Remote Sensing, GIS and GPS)

Full Marks : 60

Time : 3 hours

The figures in the margin indicate full marks for the questions

1. Answer the following as directed : 1×7=7

(a) What is pixel?

(b) LISS is a sensor. Give the full form of LISS.

(c) What is the wavelength of visible range of the EMR?

(d) ERDAS IMAGINE is

(i) an American satellite

(ii) a satellite image

(iii) a GIS software

(iv) an India-made GPS

(Choose the correct answer)

(e) GPS is a technology based on a set of

(i) 16 satellites placed in 4 planes

(ii) 24 satellites placed in 6 planes

(iii) 36 satellites placed in 12 planes

(iv) 12 satellites placed in 3 planes

(Choose the correct answer)

(f) What is an FCC image?

(g) What do you mean by the term 'Geoinformatics'?

2. Answer the following questions briefly : 2×4=8

(a) Give examples of any two polar orbiting satellites.

(b) Mention any two components of GIS.

(c) Distinguish between active and passive sensors.

(d) Distinguish between GIS and GPS.

3. Answer any *three* of the following questions : 5×3=15

(a) State the different elements of vertical photographs with suitable diagram.

(b) Citing appropriate examples, describe the various types and nature of geographical data.

(c) Explain the functio suitable diagrams.

(d) Give an account of dev remote sensing in Ind

(e) Describe the steps i data acquisition t remote sensing.

4. What types of data are p Explain how these data ca GPS.

Or

Describe the procedures i survey and mapping an area features.

5. Explain the characteristi Magnetic Radiation (EMR) the remote sensing bands.

Or

What are sensors? Explain temporal resolutions of examples from Indian Satellites.

6. Distinguish between raster and vector data structures in GIS platform with neat diagrams. 5+5=10

Or

Explain how GIS can be applied in assessing forest cover changes in a region. 10

★★★