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3 (Sem-2/CBCS) GGY HC 1

2022

GEOGRAPHY

(Honours)

Paper : GGY-HC-2016

(Human Geography)

Full Marks : 60

Time : Three hours

The figures in the margin indicate full marks for the questions.

1. Answer in a word **or** two : **(any seven)**

1×7=7

- (i) "Human geography is the study of the changing relationship between the unresting man and the unstable earth."
— Who made this statement ?
- (ii) Who is regarded as the 'father of human geography' ?
- (iii) Who wrote the book *Locational Analysis in Human Geography* ?

Contd.

- (iv) Who first put forward the possibilistic hypothesis ?
- (v) Who was the exponent of the concept of 'human ecology' ?
- (vi) Who put forward the 'concentric ring' theory of settlement growth ?
- (vii) What is the full form of 'CBD' ?
- (viii) To which racial stock most North-East Indian tribes belong.
- (ix) Name the settlement growth theory propounded by Hoyt.
- (x) Name the most urbanized state in India as per 2011 Census.

2. Answer the following questions in very short :
(any four) 2×4=8

- (i) Define 'environmental determinism'.
- (ii) What is 'genre de vie' ?
- (iii) Name any two elements of natural environment.
- (iv) Define possibilism.
- (v) What is 'urban agglomeration' ?
- (vi) What is 'rural-urban fringe' ?

(vii) What is 'cephalic index' ?

(viii) Define urbanization.

3. Answer in brief: (any three) 5×3=15

- (i) Write in brief about importance of studying human geography.
- (ii) Explain the relation of human geography with other social sciences.
- (iii) Write about 'neo-determinism' as a concept of man-environment relation.
- (iv) How do man's various activities influence the environment ?
- (v) How does climate influence the house-types in different environmental conditions ?
- (vi) Write in brief about origin of human settlement.
- (vii) Write in brief about major religious composition of the world.
- (viii) Write in brief about geographical distribution of major tribes in India.

4. Answer the following questions : **(any three)**
10×3=30

- (i) Write in detail about meaning, scope and nature of human geography.
- (ii) Write about the 'locational school' and its importance in human geography.
- (iii) Explain the concept of determinism and its present day relevance in man-environment relationship study.
- (iv) Write in detail about impact of environment on man's activities with special reference to plain ecological setting.
- (v) What are the major races of the world ? Explain their global distribution.
- (vi) Elucidate different morphological traits of the major racial groups.
- (vii) Explain the theory of urban settlement structure of Burgers and its merits and demerits.
- (viii) Define urban growth and explain trend of urbanization with special reference to India.

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3 (Sem-2/CBCS) GGY HC 2

2022

GEOGRAPHY

(Honours)

Paper : GGY-HC-2026

(Climatology and Biogeography)

Full Marks : 60

Time : Three hours

The figures in the margin indicate full marks for the questions.

1. Answer **any seven** of the following questions by choosing the most appropriate option given against each question : $1 \times 7 = 7$

(a) The headquarters of the Indian Meteorological Department (IMD) is located at which of the following city ?

(i) Bangalore

(ii) Dehradun

(iii) New Delhi

(iv) Pune

Contd.

(b) The coldest layer of the earth's atmosphere is —

- (i) Lower starting point of the mesopause
- (ii) Outer boundary of the ozonosphere
- (iii) Upper boundary of the troposphere
- (iv) Sporadic E-layer within the ionosphere

(c) The term 'Edaphic Factors' is synonymously used for —

- (i) Factors influencing distribution of plants
- (ii) Factors influencing soil formation processes
- (iii) Factors influencing food chain within ecosystem
- (iv) Factors influencing distribution of insolation

(d) Which of the following country does not fall within Boreal Forest or Taiga Biome ?

- (i) Canada
- (ii) Finland
- (iii) Madagascar
- (iv) Russia

(e) In which of the following National Park Red Panda is found ?

- (i) Keibul Lamjao National Park
- (ii) Nokrek National Park
- (iii) Simlipal National Park
- (iv) Eravikulam National Park

(f) 'Megatherms', as per Koppen's climate classification scheme, are —

- (i) Plants growing in hot deserts
- (ii) Plants growing in very high altitude areas
- (iii) Plants growing in hot and humid climate
- (iv) Plants growing in polar areas

(g) G. T. Trewartha designated the dry climatic areas by the letter —

- (i) A
- (ii) B
- (iii) C
- (iv) D

- (h) Which of the following is not an example of 'heterotroph' in an ecosystem ?
- (i) Snakes
 - (ii) Green Plants
 - (iii) Mosquitoes
 - (iv) Herbivore animals
- (i) Largest depletion hole in the Ozone layer of the atmosphere is detected over —
- (i) Antarctica
 - (ii) Industrial Region of Eastern USA
 - (iii) Manchuria Industrial Region of China
 - (iv) Northern areas of the Greenland island
- (j) The terms 'Roaring Forties' and 'Furious Fifties' are associated with -
- (i) Hurricanes
 - (ii) Typhoons
 - (iii) Tornadoes
 - (iv) Westerlies

- (d)
(e) W
2. Answer **any four** of the following questions in very short : 2×4=8
- (a) What do you mean by 'lapse rate' ?
 - (b) What is "Ferrel's law' in Climatology ?
 - (c) Mention *any two* endemic species of animals found in 'Neotropical Zoogeographical Region'.
 - (d) Mention *any two* processes associated with soil formation.
 - (e) What do you mean by 'biodiversity hotspot' ?
 - (f) What is 'albedo' of the earth atmosphere ?
 - (g) Write *any two* examples of 'local wind'.
 - (h) Cite *one* example of each of *producer* and *consumer* in a pond ecosystem.
3. Write short answer of **any three** of the following questions : 5×3=15
- (a) Write an account of the composition of the earth's atmosphere.
 - (b) What do you mean by 'Inversion of Temperature' ? Mention the factors responsible for temperature inversion.

- (c) What do you mean by 'humidity'? Differentiate between 'absolute' and 'relative' humidity.
- (d) Elucidate the concept of 'Heat Budget' of the Earth's atmosphere.
- (e) With examples, briefly describe the structure of a grassland ecosystem.
- (f) With a neat diagram, discuss different horizons found in a mature soil profile.
- (g) Briefly discuss different factors associated with the soil formation process.
- (h) Briefly explain the mechanism associated with the origin of monsoon in Indian subcontinent.

4. Answer **any three** of the following questions :

10×3=30

- (a) What is biogeography? Discuss its scope and significance. 2+4+4=10
- (b) What do you mean by 'insolation'? Explain different factors affecting global distribution of 'insolation'. 2+8=10

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- (c) Differentiate between 'Tropical' and 'Extra Tropical Cyclones' with special reference to formation and weather conditions associated with these.
- (d) What is 'biome'? Classify different biomes found over the globe and discuss *any one* of these in detail. 2+3+5=10
- (e) Discuss in detail the scheme of Climate classification put forward by G. T. Trewartha.
- (f) With a neat diagram, discuss how temperature condition changes in different structural layers of the Earth's atmosphere.
- (g) With examples, discuss the factors affecting geographical distribution of plants and animals over the earth's surface.
- (h) With a diagram, explain different air pressure belts observed over the earth surface and the planetary wind system associated with these air pressure belts. 4+6=10