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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.

Total number of printed pages-7

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

2. Answer **any four** of the following questions in very short : $2 \times 4 = 8$

- (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 : $5 \times 3 = 15$

- (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

- (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