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63/2 (SEM-3) GGY 304

2022

(Held in 2023)

GEOGRAPHY

(Theory Paper)

Paper Code : GGY-304

(Environmental Geography)

Full Marks – 80

Pass Marks – 32

Time – Three hours

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

• Objective type questions :

- 1. Choose the correct answers of the following (*all are compulsory*) :**

1×6=6

- (a) Assertion (A) : Any form of geographical inquiry which considers formally some elements of society or nature relative to each other can be said as environmental geography.**

[Turn over

Reason (R) : It is because fully symmetrical approach to human-environment relations is difficult.

- (i) R is the correct explanation of (A)
 - (ii) R is not the correct explanation of (A)
 - (iii) Only (i) is correct
 - (iv) Only (ii) is correct
- (b) The study that deals with the way in which human perceive, value and record nature through myths, customs, laws and symbolic mechanism is called
- (i) Environmental history
 - (ii) Quaternary geography
 - (iii) Historical geography
 - (iv) History
- (c) Which of the following theory of environmental problems is based on modern capitalism ?
- (i) Human Ecological Theory
 - (ii) Political Economy Theory
 - (iii) Risk Society Theory
 - (iv) Ecological Modernization Theory

(d) Which of the following is not related with risk society ?

- (i) Class struggle over distribution of resources.
 - (ii) Non-class struggle over distribution of technological risk.
 - (iii) Challenges of risks and hazards produces as a part of modernization.
 - (iv) Society organises in responses to risk.
- (e) A species which has disproportionate influences on an eco-system is called
- (i) Native species
 - (ii) Keystone species
 - (iii) Non-native species
 - (iv) Invasive species
- (f) Which of the following elements is abundant in soil particles ?
- (i) Oxygen, Magnesium and Potassium
 - (ii) Silicon, Alluminium and Sodium
 - (iii) Oxygen, Silicon and Alluminium
 - (iv) Iron, Alluminium and Sodium.

• **Very Short Answer type Questions :**

2. Answer the following questions : $2 \times 5 = 10$

- (a) What do you mean by Ecological resilience ?
- (b) What do you mean by Climax of a vegetation ?
- (c) Which Act of the Constitution of India has made it fundamental duty to protect and improve natural environment ?
- (d) What do you mean by Translocation ?
- (e) Write some characteristics of E-horizon of soil.

• **Short Answer type Questions :**

3. Answer any *six* of the following questions :

$5 \times 6 = 30$

- (a) Explain in short about the process of soil formation.
- (b) How Soil texture can be measured ?
- (c) How bulk density and porosity of soil is related ?
- (d) Explain in short about the different types of soil peds.
- (e) Discuss the main scope of ecological approach to study environmental geography.

(f) Explain in short about the different levels of organisation in biodiversity.

(g) What are the main objectives of Environmental Management ?

(h) Explain about the characteristics of forest biochores.

(i) Explain in short about the major focuses of ecological modernization theories.

• **Descriptive Answer type Questions :**

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

$10 \times 2 = 20$

- (a) 'Modern Capitalism produces the 'Tread mill of Production', which is the main cause of environmental crisis. Justify the statement.
- (b) Explain in detail the role of Environmental Education in sensitizing the World society about Global Environmental issues.
- (c) Explain with diagram the characteristics of the different layers of soil horizon.

• **Advance Answer type Questions :**

5. Answer any *one* of the following questions :

14×1=14

- (a) With the help of suitable diagram discuss the process of soil development and associated factors over the latitudinal extension of the globe.
- (b) Discuss in detail about water retention property, temperature and heat flow and air composition of soil.