

[Time: Three Hours]

[Total Marks:100]

Please check whether you have got the right question paper.

- N.B:
1. All questions are compulsory.
 2. Draw sketches and diagrams wherever necessary.
 3. Use of map stencil is permitted.
 4. World map (Appendix -2) should be tied along with your answer paper.

Q.1 (A) Study the thematic map supplied to you (Appendix -1) and answer the following questions.

- (i) What is the theme and cartographic technique of the map? (02)
- (ii) Which country has the highest arable land and why? (03)
- (iii) Which country has very less arable land and why? (03)
- (iv) What is the total percentage of arable land in USA and UK? (02)

(B) Mark and name the following features at the most appropriate location in the outline map of the world supplied to you (Appendix -2)

- (i) A country having an island location and a country having continental location. (02)
- (ii) A plateau in India and a major mountain in South America. (02)
- (iii) Any two metropolitan cities in the world. (02)
- (iv) Any one country with high human development index and a sparsely populated region. (02)
- (v) Two leading countries in the production of natural gas. (02)

Q.2 (a) What is ecosystem? What are the functions of ecosystem? (10)

(b) Explain the components of ecosystem. (10)

OR

(c) Describe the man-environmental relationship with suitable examples. (10)

(d) Write note on: i) Scope of environmental studies ii) Role of biotic components in environment (10)

Q.3 (a) Define resource and explain factors influencing resource utilization. (10)

(b) Give an account of conventional energy resources. (10)

OR

(c) What is conservation? State the methods of resource conservation. (10)

(d) Explain the problems associated with management of forest resource. (10)

P.T.O

- Q.4 (a) Give an account of human development index. (10)
- (b) Write a detailed note on population explosion in India. (10)
- OR
- (c) Write notes on: (10)
- (i) Measures taken to control population growth in India.
- (ii) Environment and human health
- (d) Discuss the 'Demographic transitional theory'. (10)
- Q.5 (a) Describe degradation of air resource in urban areas. (10)
- (b) Give an account of sustainable cities. (10)
- OR
- (c) Write notes on: (10)
- (i) Urban crowding and stress on resources.
- (ii) Urban heat island. (10)
- (d) Discuss problems arising due to migration in urban areas. (10)