

2019

GEOGRAPHY

(Major)

Paper : 3.1

(Soil and Biogeography)

Full Marks : 60

Time : 3 hours

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

1. Answer the following questions by choosing the most appropriate option given against each question : 1×7=7
- (a) Which one of the following soils is formed under conditions of high rainfall with alternating dry and wet periods?
- (i) Arid soil
 - (ii) Laterite soil
 - (iii) Saline soil
 - (iv) Alkaline soil
- (b) Which one of the following soils is the end product of decomposition?
- (i) Saline and alkaline soils
 - (ii) Black soil
 - (iii) Laterite soil
 - (iv) Red soil

(c) What do you mean by the term 'vegetation'?

(i) Vegetation refers to the assemblage of plant species living in association with animal species

(ii) Vegetation refers to the assemblage of plant species living in association with each other in a given environment frame

(iii) Both (i) and (ii)

(iv) None of the above

(d) Soil profile is

(i) a cross-section through the soil horizons

(ii) the nature of the soil

(iii) an overall profile of the soil

(iv) None of the above

(e) 'Illuviation' refers to

(i) the redeposition of the solutes and the particles in the lower parts of the soil profile

(ii) the physical downward washing of clay and other fine particles

(iii) the redeposition of the solutes in the upper parts of the soil profile

(iv) None of the above

(f) Plants which grow in very cold areas are known as

(i) mesophytes

(ii) microthorns

(iii) xerophytes

(iv) None of the above

(g) Which of the following is not an evergreen forest?

(i) Mediterranean

(ii) Equatorial

(iii) Coniferous

(iv) Monsoon

2. Write very short notes on the following : $2 \times 4 = 8$

(a) Pedology

(b) Parent material

(c) Ecological succession

(d) Wildlife corridor

3. Write short notes on any *three* of the following : $5 \times 3 = 15$

(a) Biomass

(b) Rain forest

(c) Soil horizon

(d) Biodiversity

(e) Deforestation

4. (a) Describe various soil types and their associated properties. 10

Or

- (b) Describe the soil-forming processes and discuss how the processes of soil formation vary in different climates. 10

5. (a) Give a comprehensive picture on the distribution and characteristics of plants in the world. 10

Or

- (b) Describe in detail the need for conservation of biodiversity in N-E India. How can project tiger help in biodiversity conservation? 7+3=10

6. (a) What is biosphere? Describe the processes of interaction among its various components. 3+7=10

Or

- (b) Define ecology and ecosystem. Give a brief description of the concept with suitable examples. 10

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Paper : 3.2

(**Economic Geography**)

Full Marks : 60

Time : 3 hours

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

1. Answer the following questions as directed :

1×7=7

- (a) Who is the creator of resource?
- (b) Scientific research is a primary/
secondary/quaternary/quinary activity.
(Choose the correct answer)
- (c) Define intensive agriculture.
- (d) In Assam, tea auction centre is
located at Jorhat/Dibrugarh/Guwahati/
Bongaigaon.

(Choose the correct answer)

- (e) What is multiple cropping?

(2)

(f) Name one major characteristic feature of Mediterranean agriculture.

(g) Name the oldest oil field in India.

2. Answer the following questions in brief : $2 \times 4 = 8$

(a) Classify the agricultural practices on the basis of supply of land.

(b) Distinguish between flow and fund resources.

(c) Distinguish between shifting agriculture and sedentary agriculture.

(d) Name two important chemical industries.

3. Answer any *three* of the following questions :
 $5 \times 3 = 15$

(a) Write the factors influencing cultivation of rice and wheat in the world.

(b) Write the characteristic features of mixed farming.

(c) Examine the factors on which the development of agriculture depends.

(d) Write the specialities of plantation agriculture in the world.

(e) Explain the concept of resource conservation.

(3)

4. (a) Define economic geography. Discuss its meaning and subject matter. $2+8=10$

Or

(b) Write the different approaches to the study of economic geography. Discuss any one of them in detail. $3+7=10$

5. (a) What are the geographical conditions necessary for cotton cultivation? Classify cotton on the basis of length of fibre. Mention the principal cotton producing areas of the world. $4+3+3=10$

Or

(b) Examine the nature of problems faced by India's agriculture. How can those problems be removed? $6+4=10$

6. (a) Classify world's industries on the basis of raw materials. Discuss the locational factors of petrochemical industry. Also mention the raw materials required for petrochemical industry. $3+5+2=10$

Or

(b) Mention the various factors for establishment of iron and steel industry. Examine critically the Weber's theory of industrial location in this respect. $4+6=10$
