

2018
GEOGRAPHY
GGY : 103
SOIL AND BIO - GEOGRAPHY

Full marks: 80

Time: 3 hours

The figures in the margin indicates full marks for the questions

1. i) The National Forest Policy laid main emphasis on? 1
 - a) Conservation of ecosystem functions
 - b) Extension of forestry to non - forest land
 - c) Protection of the rights and concessions of forest - dwelling people
 - d) All of the above
- ii) How many biodiversity hotspot regions are recognized in India? 1
 - a) 2
 - b) 4
 - c) 6
 - d) 8
- iii) Hotspots of biodiversity means 1
 - a) Area of the earth that contains many endemic species
 - b) Species serves as proxy for entire communities in particular area
 - c) Species in particular area
 - d) Species diversity in particular area
- iv) Panna national park is located in which of the following state in india? 1
 - a) Uttar Pradesh
 - b) Maharashtra
 - c) Madhya Pradesh
 - d) Arunachal Pradesh
- v) The position of India in community forestry is 1
 - a) First
 - b) Second
 - c) Third
 - d) Fourth

- vi) Van Mahotsav started in which year
 a) 1947
 b) 1949
 c) 1950
 d) 1951 1
- vii) How much of the land area in India is facing the desertification problem?
 a) 10
 b) 15
 c) 25
 d) 30 1
- viii) Which of the following states has highest area under forest in India?
 a) Uttar Pradesh
 b) Madhya Pradesh
 c) Arunachal Pradesh
 d) Chattisgarh 1
- ix) In percentage terms which state has the highest percentage of area under forest?
 a) Mizoram
 b) Madhya Pradesh
 c) Arunachal Pradesh
 d) Nagaland 1
- x) The geographical distribution of animals is called?
 a) Paleogeography
 b) Biogeography
 c) Zoogeography
 d) Phylogeny 1

2. Answer in brief (any four)

2 × 4 = 8

- i) Define pedology. 2
 ii) What is scalding? 2
 iii) What are peds? 2
 iv) What are the two types of grasslands? What are the names given to grasslands in various countries? 2

- v) What is regur? 2
 vi) What are the passive factors and active factors of soil formation? 2
 vii) What are the three classification of forest under India's forest policy? 2

3. Answer in brief (any four)

5 × 4 = 20

- i) What determines the texture of soil? 5
 ii) Which part of India is facing the problem of soil salinity? What are the effects of soil salinity? 5
 iii) Give some characters of temperate Biome. 5
 iv) Write a brief note on the importance of forests. 5
 v) What is natural vegetation? 5
 vi) Write short note on Biodiversity Hotspots. 5

4. Answer in detail (any two)

9 × 2 = 18

- i) What are the physical properties of soil? Explain. 9
 ii) Give some of the characters of alluvial soil. Where in India we find this type of soil? 5+4
 iii) What are the characters of Mediterranean Biome? Where are they found in the world? 9
 iv) What are the various horizons of soil? Explain. 9

5. Answer in detail (any two)

12 × 2 = 24

- i) Discuss in detail the forest policies of independent India. 12
 ii) Explain in detail the classification of natural vegetation given by Champion and Seth for India? Explain the characteristics of Tropical evergreen forest. 12
 iii) Explain in detail the classification of Indian soil, their properties and distribution with the help of map. 12
 iv) What is meant by the term biome? Name the major biomes of the world along with their classification. 3 + 9
