2016

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 by choosing the most appropriate option given against each question: 1×7=7
 - (a) Which of the following is often called the life layer of the Earth?
 - (i) Lithosphere
 - (ii) Biosphere
 - (iii) Hydrosphere
 - (iv) Atmosphere

A7/309

(Turn Over)

- Which of the following properties of the (b) soil largely determines water retention and transmission capacity?
 - (i) Structure
 - (ii) Texture
 - (iii) Colour
 - (iv) Odour
 - Which one of the following is an active soil forming factor?
 - (i) Parent materials
 - (ii) Topography
 - (iii) Climate and biological activity
 - (iv) All of the above
 - In which soil horizon you find the parent materials?
 - (i) A
 - (ii) B
 - (iii) C
 - (iv) D
 - Where do you find xerophytes? (e)
 - (i) Equatorial rain forest
 - (ii) Grasslands
 - (iii) Ponds
 - (iv) Deserts

- What are the (f) ecosystem?
 - (i) Bacteria
 - (ii) Solar ene
 - (iii) Aquatic a
 - (iv) Aquatic p
- (g) Which one principal char rain forest?
 - (i) Seasonal
 - (ii) A large moisture
 - (iii) A sparse
 - (iv) An area w
- 2. Give very brief ans
- What is synece
 - (b) Define the pr ecosystem.
 - (c) What are the formation?
 - Describe the (d) azonal soils.

A7/309

3.		e short	notes	on	any	three	of	the 5×3=15
	(a)	Pedocals	3					
	(b)	Omnivor	res					

- Physical properties of soils (c)
- Oriental region (d)
- Biodiversity (e)
- Describe soil horizons and associated (a) 10 properties.

Or

What are the bases of classifying zonal (b) soils? List the major types of zonal soils and describe any one of them in detail.

2+3+5=10

5. (a) What are the characteristics of a biogeographic region? Describe biogeographic region in terms of its spatial extent and biodiversity. 3+7=10 Or

- Define an ecosystem. Explain the (b) 2+8=10 functions of an ecosystem.
- What is the interrelationship of soil and (a) biogeography? Discuss the scope of soil 3+7=10 geography.

Or

(b) Discuss the nature and distribution of biodiversity in Assam. 10

A7-5500/309

3 (Sem-3) GGY M 1