B.Sc.F.Y.

Botany- Paper-II

*Paper name- Plant Ecology and Phytogeography*

1. Ecology is defined as interrelationship between:
2. biotic and abiotic components.
3. microorganisms and plants.
4. animals and plants.
5. none of these.
6. The word ‘Ecology’ have been firstly proposed by the:
7. ernst Haekel.
8. gregor Mendel.
9. eugene Odum.
10. none of these
11. Ecosystem has two components:
12. plants and animals.
13. biotic and abotic.
14. weeds and trees.
15. frogs and man.
16. E.P.Odum is a leading:
17. bryologist.
18. mycologist.
19. ecologist.
20. phycologist.
21. Biotic components includes:
22. only producers.
23. only consumers.
24. producers, consumers and decomposers.
25. none of these.
26. Edaphic factors are related to:
27. soil
28. animal
29. temperature
30. man
31. The type of soil best suited for growth is:
32. loamy clay
33. gravel.
34. sandy soil
35. clay
36. Removal of the soil by the action of wind and water is known as:
37. soil erosion
38. soil conservation
39. salination
40. calcification

9) Soil erosion can be prevented by:

1. artificial system
2. phylogenetic system
3. binomial system
4. over grazing
5. Plants growing in xerophytic conditions have:
6. extensively developed shoot system.
7. extensively developed root system, small and thick leaves.
8. large flowers.
9. extensive airspaces.
10. Thick cuticle on leaves are typical of plants growing in:
11. wet habitats
12. dry habitats
13. cool habitats
14. warm habitats
15. Hydrilla is a:
16. free floating hydrophyte
17. submerged hydrophyte
18. suspended hydrophyte
19. floating and anchored hydrophyte
20. In submerged hydrophytes functional stomata are found:
21. on lower surface of the plant
22. on both surface of leaf
23. no where on the plant
24. on upper surface of leaf
25. Plants growing in saline soil marshy conditions are called:
26. mesophytes
27. halophytes
28. psammophytes
29. lithophytes
30. Mangrove vegetation is found in:
31. sunderbans
32. western Ghats
33. bombay coastal area
34. kullu valley
35. Pneumatophores are usually present in:
36. mangrove plants
37. xerophytes
38. epiphytes
39. hydrophytes
40. Plants growing in shady regions are:
41. sciophytes
42. xerophytes
43. heliophytes
44. epiphytes
45. Velamen tissue is present in roots of:
46. orchids
47. parasites
48. all epiphytes
49. saprophytes
50. Biotic components of an ecosystem are:
51. producers
52. consumers
53. decomposers
54. all of above
55. Producers are:
56. green plants
57. animals
58. microorganisms
59. none of above
60. Green plants are:
61. producers
62. consumers
63. decomposers
64. none of above
65. The chemical energy was cycled again back in environment by:
66. producers
67. primary consumers
68. secondary consumers
69. decomposers
70. Depending upon water depth the zones in the pond are:
71. littoral
72. limnetic
73. profundal
74. all of above
75. Primary source of energy in an ecosystem is:
76. sugar stored in plant
77. heat liberated during respiration
78. heat liberated during fermentation
79. solar energy
80. If the plants of the world die, all the animals die due to shortage of:
81. cold air
82. oxygen
83. water
84. food
85. The study of an entire community is relation to its environments is called:
86. autoecology
87. synecology
88. space ecology
89. resource ecology

27) A food chain consist of:

a. producers and primary consumers

b. producers , harbivores and carnivores

c. producers,consumers,and decomposers

d. none of above

28) A plant eaten by herbivorous animal which in turn is eaten by a carnivorous animal form a:

a. food chain

b. food web

c. biotic potential

d. food pyramid

29) the flow of energy in an ecosystem:

a. one way

b. two way

c. three way

d. all of above

30) First link to any food chain is a green plant because

a. they alone have the capacity to synthesize food

b. fixed at one place

c. they can eat every thing

d. they respire

31) Which is the correct sequence in food chain in grassland:

a. grass-wolf-deer-buffalo

b. grass-insect-bird-snake

c. grass-snake-insect-deer

d. bacteria-grass-rabbit-wolf

32) Green plants constitute:

a. first tropic level

b. second tropic level

c. third tropic level

d. complete food chain

33) Plants and animals living in given area form:

a. community

b. plankton

c. population

d. ecosystem

34) In a forest ecosystem green plants are:

a. primary producers

b. primary consumers

c. consumers

d. decomposers

35) A pond is:

a. a community of plants and animals

b. natural ecosystem

c. an artificial ecosystem

d. a biome

36) The pyramid of energy is:

a. always upright

b. always inverted

c. both upright and inverted

d. none of the above

37) The atmospheric pollution is caused by:

a.O2

b.CO

c. Co2

d. N2

38) Ozone layer is destroyed due to:

a. chlorofluorocarbon

b. co2

c. so2

d. NH3 (ammonia)

39) Air pollution is maximumly caused by:

a. household detergents and pesticides

b. automobile exhausts and chemicals from industry

c. sewage and pesticides

d. sewage and industrial effluents

40) chipco movement was done by:

a. Sunderlal Bahuguna

b. Gopeshwar

c. Victor Shelford

d. none of above

Answer Key:

1-a

2-a

3-b

4-c

5-c

*6-a*

*7-a*

*8-a*

*9-d*

*10-b*

11-b

12-b

13-c

14-b

15-c

16-a

17-a

18-a

19-d

20-a

21-a

22-d

23-d

24-d

25-b

26-b

27-c

28-a

29-a

30-a

31-b

32-a

33-a

34-a

35-b

36-a

37-b

38-a

39-b

40-a