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Name.....

Reg. No.....

**FIRST SEMESTER B.VOC. DEGREE EXAMINATION, NOVEMBER 2020**

**Organic Farming**

**GEC 1E S03—FUNDAMENTALS OF ENVIRONMENTAL SCIENCE**

Time : Three Hours

Maximum : 80 Marks

**Part A**

*Answer all ten in one word or one sentence each.*

*Each question carries 1 mark.*

1. What is Natality ?
2. What is Biogeography ?
3. Write an example of tertiary Consumers.
4. \_\_\_\_\_ are largest oxygen producers of the earth.
5. Arctic and Alpine are \_\_\_\_\_ biome.
6. What is inter Tropical Convergence Zone ?
7. The direction of wind around a low pressure in northern hemisphere is \_\_\_\_\_.
8. Expand IPCC.
9. Write any *two* examples of plant parasites.
10. \_\_\_\_\_ is an example of commensalism.

(10 × 1 = 10 marks)

**Part B**

*Answer any five questions.*

*Each question carries 2 marks.*

11. What are Xerophytes ?
12. What is food web ?
13. What are Savannas ?
14. What is pioneer community ?
15. What is Niche ?

**Turn over**

16. What is Guild ?
17. What are Decomposers ?

(5 × 2 = 10 marks)

### Part C

*Answer any six questions.  
Each question carries 5 marks.*

18. Explain the inverted and upright ecological pyramids.
19. Explain energy flow in an ecosystem.
20. Explain abiotic components in an ecosystem.
21. Explain population growth curves.
22. Explain the soil profile.
23. Explain hydroxere succession.
24. Explain the different layers of atmosphere.
25. Explain Population characteristics and growth patterns.

(6 × 5 = 30 marks)

### Part D

*Answer any two questions.  
Each question carries 15 marks.*

26. Write an essay on Environmental Factors.
27. Explain biogeochemical cycles.
28. Explain the major Terrestrial Ecosystems.
29. What is Lithosphere ? Describe the elemental composition and different types of rocks.

(2 × 15 = 30 marks)