



Avinashilingam Institute for Home Science and Higher Education for Women

(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)

Re-accredited with 'A+' Grade by NAAC. Recognised by UGC Under Section 12B

Coimbatore - 641 043, Tamil Nadu, India

Bachelor's Degree Examination – July 2020

VI Semester

Class : III UG
Major : Zoology

Time : 2 Hours
Max. Marks: 50

15BZOC25 Environmental Biology

Part – A

10 X 1 = 10

Choose the Correct Answer

1. Earth's atmosphere contains 78.08%
 - a. Oxygen
 - b. Carbon-di-oxide
 - c. Nitrogen
 - d. hydrogen
2. Soil forming process is called
 - a. Pedosphere
 - b. Asthenosphere
 - c. Lithosphere
 - d. stratosphere
3. The tertiary consumers are mostly
 - a. Herbivores
 - b. Decomposers
 - c. Omnivores
 - d. Carnivores
4. Symbiotic relationships are
 - a. Mutualism, commensalism & synergism
 - b. Predation, parasitism & co-operation
 - c. Commensalism, amensalism & synergism
 - d. Neutralsim, competition & parasitism
5. The unfavourable alteration in the environment due to human activities is termed as
 - a. Ecological disturbance
 - b. Catastrophe
 - c. Ecological degradation
 - d. Pollution
6. A company wishes to ensure that no one else can use their logo.
 - a. Copy rights
 - b. Trade mark
 - c. Patent
 - d. Industrial designs
7. Which of the following areas in India are known as hotspot of biodiversity?
 - a. Sunderbans Deltas
 - b. Western Ghats
 - c. Eastern Ghats
 - d. Gangetic Plain
8. The centre of the Hurricane is known as
 - a. Rainbands
 - b. Eye
 - c. Eye wall
 - d. Diameter
9. EIA stands for
 - a. Environmental Impact Audit
 - b. Environmental Impact Area
 - c. Ecological Impact Assessment
 - d. Environmental Impact Assessment
10. Environmental auditing helps in
 - a. Ensuring waste prevention & reduction
 - b. Assessing compliance with regulatory environment
 - c. Placing environmental information to the public
 - d. All of the above

Part B

3 x 6 = 18

Answer any three questions

Each answer should not exceed 400 words or two pages

11. Write an account on the zonation of a lake ecosystem.
12. Add a note on the steps involved in phosphorus cycle.
13. Explain in detail about the food web of forest ecosystem.
14. Comment on the biotic components of an ecosystem.
15. Give a note on the causes of water pollution.
16. Explain in detail about the procedures of patenting.
17. Add a note on the types of biodiversity.
18. Narrate the flood with anthropogenic activities.
19. Write an account on the steps in EIA.
20. Elucidate about Chipko movement.

Part C

2 x 11 = 22

Answer any two questions

Each answer should not exceed 800 words or four pages

21. Discuss the layers of hydrosphere and lithosphere.
22. Describe in detail about the impact of abiotic factors on environment.
23. Give an elaborate account on the community ecology and its characteristics.
24. Discuss in detail about the interactions between animal.
25. Illustrate the sources, effects and control measures of air pollution.
26. Describe various tools and types of intellectual property rights.
27. Describe in detail about various disaster managements.
28. Elucidate the causes and control measures of global warming.
29. Describe in detail about the environmental significance of social forestry.
30. Explain the types and methods of environmental auditing.
