

**2021/TDC/CBCS/ODD/EESDSC/  
GE-301T/394**

**TDC (CBCS) Odd Semester Exam., 2021  
held in March, 2022**

**ECOLOGY AND ENVIRONMENTAL SCIENCE**

**( 3rd Semester )**

Course No. : EESDSC/GE-301T

**( Gender and Environment )**

*Full Marks : 50*  
*Pass Marks : 20*

*Time : 3 hours*

*The figures in the margin indicate full marks  
for the questions*

**SECTION—A**

Answer any *fifteen* of the following questions :

1×15=15

1. Define gender.
2. What is social exclusion?
3. What do you mean by matriarchy?

4. Define gender equity.
5. What is gendered division?
6. Mention the role of man in social environment.
7. How is gender related to environment?
8. What is the role of women in economic perspectives?
9. What do you mean by natural resources?
10. Define renewable resources.
11. Point out the role of women in controlling environmental degradation.
12. Write about the conservation of water resource by women.
13. Name one woman who played important role in environmental conservation.
14. Point out a major contribution of Mrs. Medha Patkar.
15. Define sustainability.

16. How do women propagate environmental awareness?
17. What do you mean by strategies for change?
18. What is the need for gender equity?
19. How can media help in bringing gender equity?
20. What is sustainable resource consumption?

SECTION—B

Answer any *five* of the following questions :  $2 \times 5 = 10$

21. Write a note on socially constructed gender concept.
22. Write about patriarchy system.
23. Mention the role of men in cultural environment.
24. Define natural environment and social environment.
25. Write an essay on resource management.

( 4 )

26. Write about differential dependencies on environmental degradation.
27. Give a short account of the role of women in environmental education.
28. Write about women's participation in environmental movement.
29. Write in brief the role of education in gender equity.
30. How can action groups ensure gender equity?

SECTION—C

Answer any *five* of the following questions : 5×5=25

31. Give an illustrated account of gender existence in society.
32. Explain gender equity in urban setting.
33. Write an essay on gender inequalities.
34. Describe the role of men and women in maintaining social perspectives of environment.

( 5 )

35. How do women play significant role in the management of environmental resources?
36. Give a detailed account of environmental degradation.
37. Discuss the role of women in conservation of environment.
38. Give an account of the role of women in sustainable development.
39. Describe the role of policy and management in gender equity.
40. Give a detailed account of equity in resource availability.

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**TDC (CBCS) Odd Semester Exam., 2021  
held in March, 2022**

**ECOLOGY AND ENVIRONMENTAL SCIENCE**

**( 3rd Semester )**

**Course No. : EESSEC-301T**

**( Bamboo Cultivation, Utilization  
and Management )**

*Full Marks : 50*

*Pass Marks : 20*

*Time : 3 hours*

*The figures in the margin indicate full marks  
for the questions*

**SECTION—A**

**Answer any *fifteen* of the following questions :**

**1×15=15**

- 1. What is a clump?**
- 2. Define sympodial bamboo.**
- 3. What is culm emergence?**

( 2 )

4. What is shoot mortality?
5. What is incense stick?
6. Name two traditional uses of bamboo resources.
7. What is commercialization of bamboo products?
8. Why is bamboo used in paper industry?
9. What is culm cutting?
10. Define greenhouse.
11. What is seedling nursery?
12. Define vegetative propagation.
13. What is fermentation?
14. What is bamboo shoot?
15. Name two indigenous bamboo recipes.
16. What is preservation technique?
17. What is sporadic flowering?

( 3 )

18. What is forest bamboo?
19. Name two diseases of bamboo.
20. What is mass flowering?

SECTION—B

Answer any *five* of the following questions : 2×5=10

21. Give a brief account of diversity of bamboo species in Northeastern States.
22. Describe the rhizome types in bamboos with suitable examples.
23. Describe the strategies for commercialization of bamboo products.
24. Describe the role of tissue culture techniques in bamboo propagation.
25. Describe the process of nursery bed preparation used for bamboo.
26. Describe the techniques of nursery management.
27. Describe the processing technology for storage of fresh bamboo shoots.

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- 28. Give an account of preservation techniques used for bamboo shoots.
- 29. What is the difference between village bamboo and forest bamboo?
- 30. Describe the flowering cycles in bamboos.

SECTION—C

Answer any *five* of the following questions : 5×5=25

- 31. Describe the growth behaviour in bamboos based on the rhizome types.
- 32. Describe the origin and distribution of bamboos with reference to Northeast India.
- 33. Describe the role of bamboo in uplifting rural socio-economy.
- 34. Give an account of traditional and commercial utilization of bamboos.
- 35. Describe the infrastructure facilities needed for bamboo propagation and nursery management.

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- 36. Give a detailed account of vegetative propagation techniques used in bamboo.
- 37. Give a detailed account of traditional and laboratory fermentation techniques of bamboo shoots.
- 38. Give an account of nutritional properties of bamboo shoots.
- 39. Describe the harvesting strategies of forest and village bamboos.
- 40. Describe the management strategies adopted before and after gregarious flowering.

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