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Reg. No.	. 	 •	
Name:			

First Semester B.Com. Degree Examination, November 2019

First Degree Programme Under CBCSS

ENVIRONMENTAL STUDIES

(Common for Foundation Course I - CO 1121/CX 1121/TT 1121/HM 1121 (2014 Admission), CC 1121 (2014 Admission), Core Course I - CO 1141/CX 1141/TT 1141/HM 1141/CC 1141 (2015 Admission to 2017 Admission) and Core Course I - CO 1141/CX 1141/TT 1141/HM 1141 (2018 Admission onwards)/Core Course II - CC 1142 (2018 Admission Onwards))

Time: 3 Hours

Max. Marks: 80

SECTION A

Answer ALL questions in one or two sentences.

Each question carries 1 mark.

Explain the following:

- 1. Photo chemical smog
- 2. Secondary production
- 3. Value education
- 4. Biodiversity register
- 5. Detritus food chain
- 6. Incineration
- 7. Edaphic factors

- 8. Gamma diversity
- 9. Epilimnion

 $(10 \times 1 = 10 \text{ Marks})$

10. Endemism.

SECTION B

Answer any Eight questions not exceeding in a paragraph.

Each question carries 2 marks.

- 11. Briefly explain any two forest types of Kerala.
- 12. Explain food web citing an example.
- 13. Briefly explain sustainable development.
- 14. India is a megadiversity nation explain.
- 15. Briefly explain pyramid of energy.
- 16. Explain sanitary land fill.
- 17. Explain trophic levels in a grassland ecosystem.
- 18. Add a note on the mineral resources of Kerala.
- 19. List out any two biodiversity hotspots of India.
- 20. Define ecological succession with an example.
- 21. Explain ecosystem diversity.
- 22. Write down the salient features of Shola forest.

 $(8 \times 2 = 16 \text{ Marks})$

SECTION C

Answer any Six questions not exceeding 120 words each.

Each question carries 4 marks.

- 23. Write a note on the measures undertaken for Women and Child welfare in India.
- 24. Explain the trends in population explosion in India.
- 25. Write a note on recent trends in consumerism and resultant waste production.
- 26. Explain energy flow in an ecosystem.
- 27. Write a note on the role of individuals in the conservation of natural resources.
- 28. Write a note on cleaner technologies.
- 29. Explain various methods of rain water harvesting.
- 30. List out various methods of solid waste management.
- 31. Briefly explain the causes and consequences of thermal pollution.

 $(6 \times 4 = 24 \text{ Marks})$

SECTION D

Answer any TWO questions. Each question carries 15 marks.

- 32. Write an essay on various threats to Biodiversity.
- 33. Briefly explain the causes, effects and control measures of noise pollution.
- 34. What are natural resources? How are they classified? Comment on the consequences of their over exploitation.
- 35. Explain various exsitu methods of Biodiversity conservation.

 $(2 \times 15 = 30 \text{ Marks})$