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**Question Paper Code : 91664**

**B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2019**

**Third/Fourth/Fifth/Sixth/Seventh/Eighth/Ninth Semester**

**Civil Engineering**

**GE 6351 – ENVIRONMENTAL SCIENCE AND ENGINEERING**

**(Common to all Branches Except Marine Engineering)**

**(Regulations 2013)**

**(Also Common to PTGE 6351 – Environmental Science and Engineering for  
B.E. (Part-Time) Third Semester – Civil Engineering and Second Semester –  
Mechanical Engineering – Regulations 2014)**

**Time : Three Hours**

**Maximum : 100 Marks**

**Answer ALL questions.**

**PART – A**

**(10×2=20 Marks)**

1. Write about afforestation.
2. What is food chain ?
3. What are the major causes for the marine pollution ?
4. How could soil erosion be prevented ?
5. What do you know about renewable energy resources ?
6. What are the major effects of global warming ?
7. What is meant by wasteland reclamation ?
8. What is an Anti-Retroviral Therapy (ART) ?
9. Rainwater harvesting is the need of the hour – Comment.
10. Write about major functions of Family Welfare Programmes in India.

**PART – B**

**(5×13=65 Marks)**

11. a) Explain the structure and function of an ecosystem.

**(OR)**

- b) Write in detail about the terrestrial ecosystem.



12. a) Write about the scope and importance of environmental studies.

(OR)

b) Write about the functions of the National Disaster Management Authority of India.

13. a) How do dams affect forests and tribal people ?

(OR)

b) Write an essay about nuclear hazards.

14. a) Write about the need of sustainable development.

(OR)

b) Write in detail about the environmental laws in India.

15. a) What are the causes and preventive methods of HIV/AIDS ?

(OR)

b) Elaborate the role of information technology for environment and human health.

PART – C

(1×15=15 Marks)

16. a) What do you know about the latest announcements by the Tamil Nadu government regarding '*Beat Plastic Pollution*' ?

(OR)

b) Does today's media world contribute to the sustainability of environment ?  
Comment.