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Question Paper Code : X 60642

B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2020
Third/Fourth/Fifth/Eighth Semester

Civil Engineering

GE 2211/GE 33/080300008/080130067/10177 GE 001/10177 GE 001 A/HS 1201
ENVIRONMENTAL SCIENCE AND ENGINEERING

(Common to all Branches)

(Regulations 2008/2010)

(Also common to 10177 GE 001 for B.E. (Part-Time) Second/Third Semester -
Civil Engineering, Mechanical Engineering, Electrical and Electronics
Engineering -Regulations 2010)

Time : Three Hours

Maximum : 100 Marks

Answer ALL questions

PART – A

(10×2=20 Marks)

1. How does overgrazing contribute to environmental degradation ?
2. In what tectonic environments do mineral deposits form ?
3. What exactly are fossil fuels and why are they non-renewable ?
4. What are reasons of water logging and their effect ?
5. What are major sources of solid waste cause ?
6. What is over grazing ?
7. Differentiate between inter and intra generational equity in sustainable developments.
8. Write the prime objectives of rain water harvesting.
9. What is meant by population explosion ? Write its consequences.
10. What are the objectives and elements of value education ?



PART – B

(5×16=80 Marks)

11. a) i) What are the pros and cons of nuclear power ? (8)
ii) How are communities involved in forest conservation in India ? (8)
(OR)
- b) i) What are the impact of urbanization and industrialization on land ? (8)
ii) What is the importance of land as a natural resource ? (8)
12. a) i) Discuss various sources of marine pollution. (6)
ii) How can you prevent pollution of our oceans ? (10)
(OR)
- b) i) What adverse effects can solid waste cause ? (8)
ii) How can the solid waste be managed ? (8)
13. a) Enumerate different biogeographic zones of India and explain the characteristics of each zone.
(OR)
- b) Briefly describe the sources, effects and control of noise pollution.
14. a) i) Explain the urban problems associated to watershed management. (8)
ii) List out the salient features of forest conservation act in detail. (8)
(OR)
- b) i) Discuss the environmental ethics to be practised towards issues and possible solution. (8)
ii) Explain the climatic changes due to global warming and acid rain. (8)
15. a) i) With a neat diagram explain the variation in population growth among various nations. (8)
ii) Write a brief note on various family welfare programmes initiated by Govt. of India. (8)
(OR)
- b) i) Discuss the role of Information Technology in environmental protection and human health. (10)
ii) Explain the effects and control of AIDS. (6)
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