

Con. 9026-13.

(REVISED COURSE)

GX-10053

(2 Hours)

[Total Marks : 60

- N.B. :** (1) Questions No. 1 is **compulsory**.
 (2) Answer any **three** from Question Nos. 2 to 6.
 (3) **Figures** to **right** indicate **full** marks.
 (4) Draw neat diagrams wherever **necessary**.

1. Attempt any **five** from the following :— 15
- (a) With the help of suitable example explain the concept of food-web.
- (b) Why there is need for sustainable development ?
- (c) Explain briefly causes and effects of Ozone layer depletion.
- (d) Explain briefly the role played by Ministry of Environment and Forest in the conservation of environment.
- (e) Why more emphasis is given on the development of renewable energy resources ?
- (f) Explain the concept of 'Carbon Credit'.
- (g) What are the sources and effects of noise pollution?
2. (a) In what way appropriate technology can lead to better sustainable development. 5
- (b) Draw suitable diagram and explain working of Bag House Filter. 5
- (c) What is hydel energy? Explain briefly the process of hydropower generation. 5
3. (a) How Solid waste management can be carried out by landfilling ? 5
- (b) Explain briefly the important features of environmental clearance and authorization mechanism. 5
- (c) What role is played by the technology for better human health and environment ? 5
4. (a) Explain what are the reasons and impact of depleting nature of natural forest resources. 5
- (b) What are the important functions and powers of Central Pollution Control Board ? 5
- (c) Draw rough sketch and explain how electricity can be generated from wind energy. 5

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5. (a) In what way environmental education and awareness can help in sustainable development ? 5
- (b) Draw rough sketch and explain how flat-plate collector can be useful in tapping solar energy. 5
- (c) How E- pollution is caused? What are its adverse effects ? 5
6. (a) How disaster management techniques can be implemented in the event of Tsunami ? 5
- (b) Explain the global environmental crisis caused on account of growing population. 5
- (c) What are the reasons and effects of global Warming ? 5
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