

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 :-

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- (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

