

Sem - I Evs.

CBSGS. CBSGS

March 2015

QP Code : 13463

(3 Hours)

[ Total Marks : 70

- N. B. : (1) All questions are compulsory.  
(2) Draw diagrams wherever necessary.  
(3) Figures to the right indicate full marks.

1. (i) Define Biosphere. 1  
(ii) Enlist two fossil fuel sources. 1  
(iii) Define Ecosystem. 1  
(iv) What is the main objective of EIA? 1  
(v) Define E- pollution. 1  
(vi) Which method of solid waste management is the best and why? 1  
(vii) Give examples of usage of appropriate technology for sustainability. 2  
(viii) What is a Green Building? Name some organizations for accreditation of green buildings. 2  
(ix) Name the various effects of air pollution. 2  
(x) Explain hydropower generation. 3
2. (i) "Any development programme adopted is considered sustainable only if the said programme is economically, socially and environmentally sustainable: Justify the above statement with a suitable case study. 4  
(ii) What are the causes, effects and control measures for ozone layer depletion? 3  
(iii) Write a note on Environmental regulations in India. Discuss the need for the same with the help of examples. 4
3. (i) It is now a known fact that we humans are depleting our natural resources at an alarming rate. As a responsible citizen how one can use 3R control measure to tackle this problem? Discuss using any one natural resource. 4  
(ii) What is waste water? Describe sources and treatment for the same. 3  
(iii) Explain the terms 'ecological footprint', 'carrying capacity' with respect to 'Carbon credits' 4
4. (i) What are the consequences of urbanization on the environment? 2  
(ii) Explain any one control measure used to treat Air pollution. 3  
(iii) Briefly discuss the penalties and punishment under Environment Protection act. 2  
(iv) Enlist and explain four stages involved in disaster management. Use a suitable case study for the same. 4

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5. (i) What are the various challenges faced by the environment for our development? 3  
(ii) Define noise. What are the various sources of noise pollution and classify the effects of noise pollution on humans. 4  
(iii) Explain 'solar energy is a clean source of energy'. Discuss the principle and working of a flat plate collector. 4
6. (i) Write short notes on :-  
(a) Ecological pyramid (b) Minamato Disease (c) River pollution. 9  
(ii) Compare the conventional sources of energies against the geothermal energy as renewable source. 2
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