

FE SEM-7 (CBCS)
E.V.S

29/12/2015

QP Code : 5031

(2 Hours)

[Total Marks : 60

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

1. Attempt any five of the following :—

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| (a) How environmental education is essential for sustainable development ? | 15 |
| (b) What are the stationary and mobile sources of air pollution ? | |
| (c) What are the functions and powers of Central Pollution Control Board (CPCB) ? | |
| (d) Explain the term : 'Carbon Credit'. | |
| (e) What are the conventional sources of energy ? and
What are their advantages and limitations ? | |
| (f) What is ecological pyramid ? How energy flows across pyramid ? | |
| (g) What are the reasons of Ozone layer depletion ? What are its effects ? | |
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| 2. (a) Explain economic and environmental aspects of sustainable development. | 5 |
| (b) Draw a neat diagram and explain working of bag house filter. | 5 |
| (c) Draw a neat diagram and explain working of photovoltaic cell. | 5 |
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| 3. (a) Outline important features of environmental clearance and authorization mechanism. | 5 |
| (b) Discuss how the techniques of disaster management are implemented at the time of Tsunami ? | 5 |
| (c) Write briefly about Minamata disease in Japan. | 5 |
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| 4. (a) What are the global environmental problems pertaining to sanitation and land ? | 5 |
| (b) Describe briefly the important features of environmental protection act. | 5 |
| (c) Draw a neat labelled diagram and explain how is it possible to obtain electricity from geothermal energy. | 5 |
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| 5. (a) Explain why resource utilization as per carrying capacity of earth is important for sustainable development. | 5 |
| (b) What are the causes and effects of acid-rain ? | 5 |
| (c) What is Hydel energy ? How hydropower generation is carried out ? | 5 |
| | |
| 6. (a) What are the reasons for depleting nature of our mineral resources ? | 5 |
| (b) Explain how industrial waste water treatment is carried out ? | 5 |
| (c) What is Indoor Air Pollution ? | 5 |
| List indoor air pollutants and explain their effects on human health. | |

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