Paper / Subject Code: 58606 / Evironmental Studies (EVS).

CB/sem-I/27-12-18

[Time: 2 Hours] **[Marks:60]**

Please check whether you have got the right question paper.

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

Q.1 **Answer any five from the following:-** **15**

a) What are reasons for the depletion of soil resources?
b) Explain principle involved in working of photovoltaic cells.
c) Write a brief note on Noise Pollution.
d) Define 'Sustainable Development'. Why there is need for sustainable development?
e) Explain the term – 'carbon credits'.
f) What are the sources and consequences of Greenhouse effect?
g) Why there is need for public awareness on environmental education.

Q.2

a) Write important features of case study on Narmada Bachao Andolan, took place in Gujarat in 1980. **5**
b) Draw flow sheet diagram and explain the process of industrial waste water treatment. **5**
c) Draw a schematic of flat plate collector and explain its role in trapping solar energy. **5**

Q.3

a) Give brief account of case study on London smog occurred in U.K. in December, 1952. **5**
b) Write a brief note on environmental clearance and authorization mechanism. **5**
c) Write the effects produced by different Indoor Air Pollutants. **5**

Q.4

a) What is ecological succession? What is its impact? **5**
b) Write important powers and functions of State Pollution Control Board (SPCB). **5**
c) Draw a neat labelled diagram and explain the process of generating electricity from geothermal energy. **5**

Q.5

a) Explain Economic and Environmental aspects associated with sustainable development. **5**
b) Draw a neat diagram and explain working of Venturi Scrubber. **5**
c) Draw a neat schematic and explain the process of hydropower generation. **5**

Q.6

a) Explain the reasons and effects of depletion of our natural forest resources. **5**
b) How solid waste management is carried out by composting? **5**
c) Explain the objectives of 'Green Building'. **5**

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