2017-12-30 11:00 am - 01:00 pm T0131 - F.E.(ALL BRANCHES) (Choice Base Credit Grading System) SEMESTER - I / T1872

Q. P. Code: 27769

Time : 2 hours Max marks : 60

N.B.: *i)* Question No 1 is compulsory

ii) Attempt any 3 from Q.2 to Q.6

iii) Figures to the right indicate marks.

Q1. Attempt **any Five** [15]

a) Explain depleting nature of forests: causes, effects and prevention.

b) Explain the concept of socio-economic aspects of sustainable development.

c) What is meant by 'greenhouse effect' ?

d) Write a short note : Environmental Clearance mechanism.

e) What are limitations of conventional energy sources ?

f) Write a short note on 'water crisis'.

g) Explain the concept of 'carbon credit'.

Q2.

a) Write a detailed account of 'Chipko movement'. [5]

b) What are '3R control measures'? [5]

c) Define 'noise pollution'. Which are its sources? What are its health effects? [5]

Q3.

a) Explain principle, construction and working of electrostatic precipitator. [5]

b) Discuss the case study of cloudburst and landslide at Kedarnath. [5]

c) How electricity is generated from wind energy? [5]

Q4

a) Discuss the case study of 'London smog'. [5]

b) Write in details : Food chain and food web. [5]

c) Write a note on : Green buildings – Concept and objectives. [5]

Q5.

a) What is land pollution ? Discuss solid waste management. [5]

b) Which are renewable energy resources ? Write about their importance. [5]

c) Write on : Functions and powers of Central pollution control board. [5]

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Q6.

a) What is nuclear pollution ? Discuss Fukushima disaster. [5]

b) What is an ecosystem ? Discuss the classification of ecosystems with examples. [5]

c) Draw a schematic diagram of photovoltaic cell. Explain its principle and working. [5]

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