[Time: Three Hours] [Marks:80]

Please check whether you have got the right question paper.

N.B: 1. All Questions are compulsory.

- 2. Draw neat diagram wherever necessary.
- 3. Figure to the right indicate full marks.

Q.1 a.	Define 1 Dobson unit.	01
	Define Ecology.	01
	What is sanitary landfill.	01
d.	'Carrying your fabric bag to market' is example of which of 3 Rs of control measures, define and	€ 01
	justify.	
e.	Define troposphere	01
f.	Explain the difference between species, population and community.	02
g.	Give two examples each of sources of renewable and non-renewable energy.	02
h.	Name two indoor air pollutants and their effects.	02
i.	State the need for environmental legislation in Indian scenario.	02
j.	What is the role of technology with reference to environment.	02
k.	Illustrate disaster management cycle.	02
I.	Enlist merits and demerits of wind turbines.	03
Q.2 a.	Explain causes, effects and preventive measure of 'Ozone layer depletion.'	04
b.	With a neat labelled diagram explain the principle and working of Photovoltaic cell.	04
b.	With a neat labelled diagram explain the principle and working of flat plate collector.	04
c.	With a neat labelled diagram explain working of hydropower generators.	04
Q.3 a.	Enumerate on the sources and effects of noise pollution.	04
b.	Give the functions of Ministry of Environment and forest (MoEF).	04
င္သ	Enumerate on indoor air pollutants and their effects.	04
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C.	Describe Carbon credit. What are its advantages?	04
Q.4 a.	Enumerate on any two methods for control of air pollution.	04
b.	Explain any two approaches used for primary treatment and prevention of water pollution.	04
C	With a neat labelled sketch explain Rotating Biological Contactor.	04
626	OR OR	
20°0	Explain the concept of Global Warming along with the enhanced Green House Effect.	04

(P.T.O)

Q.5 a.	What do you mean by green building? What are it's benefits.	3 62
b.	With a neat labelled diagram discuss Flash Steam Plants.	02
c.	Explain food chains & food webs. Give their significance.	0
	OR SECTION OR	2 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
C.	What do you mean by sustainable development? What are the major measures to attain sustainability.	0
Q.6 a.	Discuss major environmental impact of deforestation	04
b.	What adverse effects can solid waste cause? How can the solid waste be managed by vermicomposting.	04
c.	Discuss penalties and punishment under Environment Protection Act.	04
C.	Discuss the procedure for Environmental Clearance	04