

Hall Ticket Number:

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Code No. : 12213

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS), HYDERABAD

Accredited by NAAC with A++ Grade

B.E. II-Semester Main & Backlog Examinations, September-2022**Environmental Science**

(Common to CSE, AIML, Mech. & IT)

Time: 3 hours

Max. Marks: 60

Note: Answer all questions from **Part-A** and any **FIVE** from **Part-B****Part-A (10 × 2 = 20 Marks)**

Q. No.	Stem of the question	M	L	CO	PO
1.	Differentiate between the Renewable and Non-renewable energy resources.	2	2	1	7
2.	What are the negative impacts of Large dams?	2	1	1	7
3.	Write a short note on ecological Pyramid.	2	1	2	7
4.	Differentiate between food chain and food Web.	2	2	2	7
5.	Write a short note on endangered species and endemic species of India.	2	1	3	7
6.	Mention the threats to biodiversity.	2	3	3	7
7.	What are the Causes of environmental pollution?	2	2	4	7
8.	What are the effects of thermal pollution?	2	2	4	7
9.	Define global warming and climate change.	2	1	5	1,7
10.	What is meant by Environmental Impact Assessment?	2	2	5	1,7
Part-B (5 × 8 = 40 Marks)					
11. a)	Describe the importance of Environmental Studies.	4	2	1	7
b)	Explain Various types of Soil erosion.	4	3	1	7
12. a)	Describe the structure of an ecosystem.	4	3	2	7
b)	Explain the salient features of marine ecosystem.	4	3	2	7
13. a)	Explain the indirect values that are assigned to biodiversity.	4	3	3	7
b)	Why conservation of biodiversity is important for human survival, explain any one method of conservation.	4	3	2	7
14. a)	Classify different types of solid wastes. Identify some of the control measures of Solid waste.	4	2	4	6
b)	Evaluate the effects of noise pollution on animals and human beings.	4	3	4	7

Contd... 2

15. a)	Explain different methods of water conservation.	4	3	5	1
b)	Discuss the effects of ozone layer depletion and mention its control measures.	4	2	5	6
16. a)	Discuss the effects of Modern agriculture.	4	2	1	7
b)	Evaluate salient features of pond ecosystem.	4	3	2	7
17.	Answer any <i>two</i> of the following:				
a)	Describe the hot spots of biodiversity.	4	1	3	7
b)	Evaluate causes and effects of soil pollution.	4	3	4	7
c)	Write a short note on population explosion.	4	1	5	6

M : Marks; L: Bloom's Taxonomy Level; CO; Course Outcome; PO: Programme Outcome

i)	Blooms Taxonomy Level – 1	20%
ii)	Blooms Taxonomy Level – 2	32.5%
iii)	Blooms Taxonomy Level – 3 & 4	47.5%
