

Hall Ticket Number:

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Code No. : 11127 N/O

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS), HYDERABAD

Accredited by NAAC with A++ Grade

B.E. I-Semester Main & Backlog Examinations, Jan./Feb.-2024**Environmental Science**

(Common for Civil, EEE, ECE, & Mech.)

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.	Write any two negative impacts of salinity.	2	2	1	7
2.	Discuss eutrophication.	2	2	1	6
3.	What are detritivores? Give examples.	2	1	2	7
4.	Define ecological pyramid. Name three types of pyramids.	2	1	2	7
5.	Define Hotspot. Name any two hotspots of India.	2	1	3	7
6.	What is meant by aesthetic value of biodiversity?	2	2	3	7
7.	Differentiate between noise and sound.	2	2	4	6
8.	Why e-waste is considered as hazardous. Give reason.	2	2	4	6
9.	Identify the causes of population explosion.	2	2	5	1
10.	List out ozone depleting substances.	2	1	5	1
Part-B (5 × 8 = 40 Marks)					
11. a)	Examine the negative impacts of pesticides and fertilizers.	4	3	1	6
b)	Differentiate between renewable and nonrenewable energy.	4	2	1	7
12. a)	Explain food web with neat sketch.	4	3	2	1
b)	What is ecosystem? Discuss functions of ecosystem.	4	2	2	1
13. a)	Write a note on importance of biodiversity act 2002.	4	4	3	7
b)	Enumerate various threats to biodiversity? Explain.	4	3	3	7
14. a)	Discuss the importance of air pollution control devices.	4	3	4	1
b)	Suggest ways for the management of municipal solid waste in highly populated country.	4	3	4	1

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15. a)	Discuss 'Kyoto protocol' in relation to green house gases.	4	2	5	7
b)	Summarize SDG 1(no poverty) and SDG 2(zero hunger).	4	1	5	7
16. a)	How desertification effects environment and social security?	4	2	1	6
b)	Explain about classification of ecosystem.	4	1	2	7
17.	Answer any <i>two</i> of the following:				
a)	Discuss In-situ and Ex-situ conservation of biodiversity with examples.	4	2	3	7
b)	Describe the causes and effects of soil pollution.	4	3	4	1
c)	"Crazy consumerism leads to resource depletion". Justify.	4	4	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	40%
iii)	Blooms Taxonomy Level - 3 & 4	40%
