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Code No. : 15333 S

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS), HYDERABAD

Accredited by NAAC with A++ Grade

B.E. V-Semester Supplementary Examinations, June-2022

Environmental Science

(E.E.E.)

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.	Define soil erosion?	2	1	1	1,6
2.	What are the impacts of drought?	2	1	1	7
3.	Significance of food chain.	2	2	2	7
4.	Give examples of terrestrial ecosystems.	2	1	2	7
5.	Expand IUCN and write it's functions?	2	1	3	6
6.	List out levels of biodiversity.	2	1	3	6
7.	What are the categories of municipal solid waste?	2	2	4	1
8.	Define pollution?	2	1	4	1,6
9.	Write any two major impacts of climate change?	2	1	5	6
10.	Suggest any two water conservation methods?	2	1	5	7
Part-B (5×8 = 40 Marks)					
11. a)	Summarize the Problems and benefits of big dams.	4	2	1	1,7
b)	Analyse the merits and demerits of solar energy and its applications.	4	4	1	1,6
12. a)	Explain food web with a neat sketch.	4	2	2	7
b)	Discuss pond ecosystem.	4	2	2	7
13. a)	Identify threats to biodiversity	4	3	3	6
b)	Write a note on value of biodiversity	4	2	3	7
14. a)	What is water pollution? Discuss serious health effects of sewage contaminated water.	4	1	4	1,6
b)	Give details about noise pollution.	4	2	4	1,6

15. a)	Analyse the causes of Population explosion?	4	4	5	1
b)	What is Greenhouse Effect?	4	4	5	7
16. a)	Discuss about water logging problems.	4	3	1	7
b)	What are natural resources? Write the differences between renewable and non renewable resource?	4	3	2	6
17.	Answer any <i>two</i> of the following:				
a)	Discuss the terms Endangered, endemic ,extincted ,vulnerable species and give examples.	4	4	3	6
b)	Classify e-waste, suggest best disposal methods.	4	4	4	7
c)	Examine the causes and effects of desertification.	4	4	5	6

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

i)	Blooms Taxonomy Level – 1 & 2	20%
ii)	Blooms Taxonomy Level – 2	30%
iii)	Blooms Taxonomy Level – 3 & 4	50%
