

Hall Ticket Number:

1602 227 39044

Code No. : 12226 AS N

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS), HYDERABAD

Accredited by NAAC with A++ Grade

B.E. II-Semester Advanced Supplementary Examinations, September-2023**Environmental Science**

(Common to CSE, AIML, EEE & IT O: 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 a short note on drought	2	1	1	7
2.	Explain with the help of examples the difference between renewable and non-renewable energy resources.	2	1	1	7
3.	Define autotrophs.	2	1	2	7
4.	Classify different types of ecosystems.	2	1	2	7
5.	Differentiate between in-situ and ex-situ biodiversity conservation.	2	1	3	7
6.	What do you mean by hotspots?	2	2	3	6
7.	Define primary and secondary air pollutants.	2	1	4	7
8.	Write any two noise pollution control measures.	2	1	4	6
9.	Discuss about population explosion.	2	1	5	1
10.	Define global warming.	2	2	5	7
Part-B (5 × 8 = 40 Marks)					
11. a)	Define soil erosion. Explain the different types of soil erosion.	4	2	1	7
b)	Classify the different types of ecological pyramids with the help of neat diagrams.	4	3	1	7
12. a)	Discuss functions of ecosystem.	4	2	2	7
b)	Describe the features of terrestrial ecosystem.	4	2	2	7
13. a)	Define biodiversity. Write a short note on various threats to biodiversity.	4	2	3	6
b)	What do you mean by endangered and endemic species? Give three examples of each.	4	3	3	7
14. a)	Describe the hierarchy of solid waste management in an urban area.	4	3	4	1
b)	Describe the causes, environmental and health impacts of water pollution.	4	2	4	1

Contd... 2

15. a)	“High consumerism leads to fast depletion of resources and causes environmental pollution “explain.	4	2	5	7
b)	Define acid rain. What are the harmful effects of acid rain?	4	4	5	7
16. a)	Define water logging. Discuss about the control measures to deal with the problem of waterlogging.	4	3	1	1
b)	Describe food web with the help of suitable examples.	4	2	2	6
17.	Answer any <i>two</i> of the following:				
a)	Write the key highlights of biological diversity act 2002.	4	3	3	7
b)	Write a note on any one type of air pollution control device.	4	3	4	7
c)	Enlist the various sustainable development goals.	4	4	5	8

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%
