Code No. : 16534

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS), HYDERABAD
Accredited by NAAC with A++ Grade

B.E. (Mech. Engg.) VI-Semester Main & Backlog Examinations, June-2022

Environmental Science

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.	"Environ" word taken from which language and its meaning.	2	1	1	1
2.	Define Water logging?	2	1	1	1
3.	Define herbivores?	2	1	2	6
4.	Write any two functions of food chain?	2	2	2	6
5.	What is In-situ conservation?	2	2	3	7
6.	What are endangered species?	2	1	3	7
7.	Define noise pollution?	2	1	4	1
8.	State any two water borne diseases?	2	2	4	7
9.	List out greenhouse gases.	2	1	5	1
10.	What do you mean by population explosion?	2	2	5	1

Part-B (5 × 8 = 40 Marks)

11. a)	Discuss about salinity problem suggest some measures.	4	1	1	1
b)	Explain about solar energy and wind energy.	4	3	1	7
12. a)	Describe about pond ecosystem.	4	2	2	7
b)	Summaries biotic and Abiotic factors of ecosystem.	4	2	2	7
13. a)	Explain different levels of biodiversity.	4	3	3	6
b)	Write a note on productive and consumptive value of biodiversity.	4	4	3	7
14. a)	Analyse the Causes and effects of gaseous air pollutants.	4	4	4	6
b)	How e-waste is toxic to human health suggest better management practices of e-waste?	4	3	4	7

			M	L	CO	PO
15.	a)	Describe the components of EIA.	4	3	5	1
	b)	Evaluate Climate change and its implications.	4	4	5	7
16.	a)	Difference between renewable and non renewable energy sources.	4	3	1	7
	b)	Illustrate energy pyramid with neat sketch.	4	2	2	7
17.		Answer any *two* of the following:				
	a)	What is hotspot explain about one Indian hotspot?	4	2	3	7
	b)	How "3 R" implementation reduce the quantity of municipal solid waste?	4	3	4	1
	c)	Enumerate Ozone depletion and its impacts.	4	4	5	7

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

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

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