Value Added Course [Environmental Science and Sustainability] [NEP]

B.C.A. First Semester End Examination-2024 PAPER: VAC 101

Full Marks: 40

Time: 02 Hrs.

The figures in the right hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Group A

- 1. Answer any FIVE questions of the following: 5x2=10
- a. Define ecosystem. Who coined the term ecosystem?
- b. What are the causes of air pollution?
- c. What is eutrophication?
- d. Explain sustainable development with example.
- e. What is acid rain?
- f. Write the full form of UNESCO and UNFCCC.
- g. "Energy flow is unidirectional in the ecosystem" explain.
- h. What do you mean by primary succession?

Group B

- 2. Answer any FOUR questions of the following: 4x5 = 20
- a. Differentiate between in-situ and ex-situ conservation.

b.	Write about green house effect with mentioning any two
	green house gases. 5
c.	What do you know about primary and secondary pollutants?
	Write down their effects in environment. 5
d.	What is biodiversity? Mention any four major causes of
	biodiversity loss. 1+4
e.	What is environment movement? Briefly discuss the
	"Chipko movement". 1+4
f.	What do you know about endangered species? Give
	example. What is Red data book? 2+1+2
Group C	
3. Answer any ONE question of the following: $1 \times 10 = 10$	

- a. i) What do you know about manmade disasters? Give some examples.
 - ii) Write a short note on carrying capacity of an ecosystem.
 - 5+5
- b. i) Differentiate between food chain and food pyramid. Give example each
 - ii) Describe Y-shaped energy flow model.

5+5