

1/VAC-140 Syllabus-2023

2 0 2 5

(Nov-Dec)

FYUP : 1st Semester Examination

VALUE ADDED COURSE

(Environment Science)

VAC-140

Marks : 56

Time : 2½ Hours

*The figures in the margin indicate full marks
for the questions*

PART—A

(Objective answer-type questions)

Answer any *ten* questions : $1 \times 10 = 10$

1. Name two non-renewable resources.
2. When and where was the UN Conference on Environment held?
3. Give two examples of abiotic components of the environment.

(2)

4. Expand the following acronyms :
CFC, MoEFCC
5. Who coined the term 'ecosystem'?
6. Who is known as the father of biodiversity?
7. Give two sources of air pollution.
8. Name two greenhouse gases.
9. Cite two examples of mineral resources.
10. Who is the main leader of the Chipko Movement?
11. In which year was the Water (Prevention and Control of Pollution) Act enacted?
12. Give the full forms of GIS and GPS.
13. Which gas is mainly responsible for ozone layer depletion?

(3)

14. Give one example each of the following :

- (a) A biodiversity hot spot in India
- (b) National park in India

15. Give one example each of *in-situ* and *ex-situ* biodiversity conservation.

PART—B

(Short answer-type questions)

Answer any *four* questions : 4×4=16

16. Discuss the ecological uses of forest.

17. Explain, in brief, the types of water-induced soil erosion.

18. Define food chain. Describe the significance of food chains and food webs in an ecosystem. 1+3=4

19. Outline the features of carbon cycle.

20. Define climate change. Explain three impacts of climate change. 1+3=4

21. What is environmental ethics? Differentiate between ecocentric and anthropocentric thinking. 1+3=4

(4)

PART—C

(Long answer-type questions)

Answer the following questions : $10 \times 3 = 30$

22. Define environment. Discuss the components of environment. $1 + 9 = 10$

Or

What is desertification? Discuss the causes of desertification. Describe the measures to combat desertification. $1 + 5 + 4 = 10$

23. Describe the structure of an ecosystem. 10

Or

Define biodiversity. Discuss the values of biodiversity. $1 + 9 = 10$

24. Write short notes on the following : $5 \times 2 = 10$

- (a) Ozone layer depletion
- (b) Salient features of the Air (Prevention and Control of Pollution) Act

Or

Discuss the impacts and control of noise pollution. $5 + 5 = 10$
