

1/VAC-140 Syllabus-2023

2 0 2 4

(December)

FYUP : 1st Semester Examination

VALUE ADDED COURSE

(Environment Science)

VAC-140

(Credit-3)

Marks : 56

Time : 2 hours 15 minutes

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

PART—A

(Short answer-type questions)

Answer the following questions :

1×10=10

1. Define environment.
2. What is air pollution?
3. Name two biodiversity hotspots.

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(Turn Over)

(2)

4. Define sustainable development.
5. What is deforestation?
6. In which year was the Air (Prevention and Control of Pollution) Act enacted?
7. Mention two impacts of mineral extraction.
8. Name two endangered species.
9. Expand the following acronyms :
WHO, IPCC
10. Give one example of each of the following :
(a) Biosphere Reserve in India
(b) An indoor air pollutant

PART—B

(Semi-long answer-type questions)

Answer any *four* of the following questions : $4 \times 4 = 16$

11. What are natural resources? Differentiate between renewable and non-renewable resources. $1+3=4$
12. Discuss the flow of energy in an ecosystem. 4

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(Continued)

(3)

13. Define biodiversity. Discuss briefly the different levels of biodiversity. $1+3=4$
14. What is greenhouse effect? Briefly discuss the impact of enhanced greenhouse effect. $1+3=4$
15. Describe in brief two causes and two effects of desertification. $2+2=4$
16. Give two examples of point sources of water pollution. Write down three measures to reduce water pollution. $1+3=4$

PART—C

(Long answer-type questions)

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

17. Explain the ecological uses of forest. Discuss the major consequences of deforestation. $5+5=10$

Or

What is soil erosion? Explain the different types of soil erosion. Discuss the measures to control soil erosion. $1+4+5=10$

18. Describe the structure of an ecosystem. 10

Or

Differentiate between *in-situ* and *ex-situ* conservation of biodiversity. $5+5=10$

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(Turn Over)

(4)

19. Write short notes on the following : 5+5=10

- (a) Salient features of the Environmental Protection Act
- (b) Impact of acid rain

Or

What are primary and secondary air pollutants? Discuss the causes and effects of air pollutants. 2+8=10

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