



Sanjay Ghodawat University, Kolhapur

2018-19

Established as State Private University under Govt. of Maharashtra. Act No XL, 2017

FY B. Sc.

AES 102

School of Science

Environmental Studies

Semester II

Max Marks: 100

Time: 3 Hrs.

End Semester Examination (ESE)

05 Dec 2018
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10:00 AM to 1:00 PM

Instructions for Students:

- 1) All questions are compulsory
- 2) Figures to the right indicate full marks.
- 3) Neat diagrams must be drawn wherever necessary.

	Marks	CO's
Q.1 Answer the following	(20)	
a). Select the correct answer.		
1. Transition zone between two biomes is called as _____?	(2)	CO1
a. Ecotone b. Ecobiome		
c. Ecozone d. None of the above		
2. Example of renewable energy resource is _____?	(2)	CO3
a. Oil b. Coal		
c. Hydropower d. All of the above		
3. Animals that eat other animals are called as _____?	(2)	CO1
a. Herbivores b. Carnivores		
c. Omnivores d. None of the above.		
4. The layer of atmosphere in which ozone is present is called as _____?	(2)	CO4
a. Exosphere b. Mesosphere		
c. Troposphere d. Stratosphere		

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5. Which of the following group of gases contribute to the "Green House Effect"?

(2) CO4

- a. Carbon tetrafluoride and nitrous oxide
- b. Carbon monoxide and sulphur di-oxide
- c. Ammonia and ozone
- d. Carbon di-oxide and methane

b). Answer the following questions

- | | | |
|-----------------------------------------------|---|-----|
| 1. What is Noise pollution? | 2 | CO2 |
| 2. What is Ozone depletion? | 2 | CO4 |
| 3. Define Food Web. | 2 | CO1 |
| 4. What are the three levels of Biodiversity. | 2 | CO2 |
| 5. What is Global warming? | 2 | CO4 |

Q.2 Answer the following questions (20)

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|----------------------------------------------------------------------------------|----|-----|
| a) What is Forest ecosystem? Write about its Ecological and economic services. | 12 | CO1 |
| b) Define Environment and explain its importance as a multidisciplinary subject. | 8 | CO1 |

OR

- | | | |
|-----------------------------------------------|---|-----|
| b) Write about Aquatic eco-systems in detail. | 8 | CO1 |
|-----------------------------------------------|---|-----|

Q.3 Answer the following questions (20)

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|----------------------------------------------------------------------------------------------------|----|-----|
| a) What is Biodiversity? Explain its types and describe the different methods of its conservation. | 12 | CO2 |
| b) Explain India as a mega-biodiversity nation and enlist five endemic species? | 8 | CO2 |

OR

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- b) Write about man wildlife conflicts and add a note on In-situ and Ex-situ conservation. 8 CO2

Q.4 Answer the following questions (20)

- a) Describe Soil and air pollution with its types, causes, effects and controls? 12 CO3
- b) What are nuclear hazards? Explain its potential health risks. 8 CO3

OR

- b) What is solid waste management and its control measures. 8 CO3

Q.5 Answer the following questions (20)

- a) Explain importance, establishment and role of 'Air and Water (Prevention & Control of Pollution) Act'? 12 CO4
- b) Explain acid rain and it's impacts on human beings and agriculture 8 CO4

OR

- b) Write a note on Ozone layer depletion. 8 CO4

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