



Sanjay Ghodawat University, Kolhapur

2017-18

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

FY B. Sc.

School of Science

Semester II

AES102

Environmental Studies

Max Marks: 100

May 2018

End Semester Examination (ESE)

Time: 3 Hrs.

29 May 2018

Instructions for Students: 1) All questions are compulsory
10:30 AM to 1:30 PM, 2) Figures to the right indicate full marks.
3) Neat diagrams must be drawn wherever necessary.

Q.1	Objective Questions	Marks (20)	All CO
a)	Select the correct answer		
	Which of the following series is true in energy flow?		102.3
	a. Producers-Decomposers-Consumers		
1.	b. Decomposers- Consumers- Producers	2	
	c. Producers-Consumers-Decomposer		
	d. Consumer-Producer-Decomposer		
	Which gas is likely to be reduced in the atmosphere by deforestation?		102.4
2.	a. Carbon dioxide b. Nitrogen	2	
	c. Oxygen d. Sulphur dioxide		
	Environment includes		102.2
3.	a. Abiotic factors b. Biotic Factors	2	
	c. Water and air d. Abiotic and biotic factors		
	The portion of the earth and its environment which can support life is known as _____		102.1
4.	a. Crust b. Biosphere	2	
	c. Exosphere d. atmosphere		

The main energy source for the environment is

102.1

5. a. Solar energy b. Chemical energy
c. Bioelectric energy d. Electrical energy

2

b) **Select odd from the list**

1. Tiger-Lion-Elephant- Leopard
 2. National Park-Cloning-Tissue Culture-Captive Breeding
 3. Minerals-Trees-Animals-Microorganisms
 4. Solar Energy- Wind Energy-Geothermal Energy- Coal Energy
 5. Sleeplessness- Gastro-High BP- Hearing disability
- c) **Match the pairs**

1

102.2

1

102.1

1

102.3

1

102.1

1

102.4

A		B	
1	Water Pollution	a	Dolby
2	Air Pollution	b	Hot Water
3	Noise Pollution	c	Hiroshima
4	Thermal Pollution	d	Sewage
5	Radiation Pollution	e	Vehicles

5

Q.2 Answer the following questions (Unit I)

Marks (20)

CO

- a) Discuss the type, characteristic features, structure and function of pond ecosystem
- b) Explain the need for public awareness regarding environment

12

102.1

8

102.1

OR

- b) Explain food chain and food web with example and diagram

8

102.1

Q.3 Answer the following questions (Unit II)

Marks (20)

CO

- a) Briefly describe the values of biodiversity with necessary examples
- b) What are the levels of biodiversity? Write in brief with example.

12

102.2

8

102.2

OR

- b) Write a note on biodiversity hotspot.

8

102.2

Q.4	Answer the following questions (Unit III)	Marks (20)	CO
a)	What is noise pollution? Write its impact and control measure	12	102.3
b)	Write a note on Thermal pollution	8	102.3
	OR		
b)	Enlist major air polluting gases with their effect on human body	8	102.3
Q.5	Answer the following questions (Unit IV)	Marks (20)	CO
a)	Explain green house effect in detail	12	102.4
b)	Write a note on acid rain	8	102.4
	OR		
b)	Enlist various environmental laws with their year of establishment.	8	102.4
