

**B.Sc. ZOOLOGY
SECOND SEMESTER
ECOLOGY
BSZ-202**

**SET
A**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 1hr. 30 mins.

Full Marks: 35

Time: 15 mins.

(Objective)

Marks: 10

Choose the correct answer from the following:

1 × 10 = 10

1. Sulphur dioxide, a primary constituent of naturally occurring pollutant can come into atmosphere from:
a. Deep oceans
b. Volcanoes
c. Forest detritus
d. None of the above
2. Acid deposition is caused due to:
a. HNO_3
b. H_2CO_3
c. H_2SO_4
d. None of the above
3. The process of nitrification can be better described as.....
a. Conversion of ammonia to nitrite
b. Conversion of nitrite to nitrate
c. Conversion from ammonia to nitrate
d. All of the above
4. Which among these is not a part of basic concepts of ecology?
a. Succession
b. Holism
c. Community
d. Ecosystem
5. Organic matter in excess of the respiratory utilization is called:
a. Net primary productivity
b. Total primary productivity
c. Gross primary productivity
d. None of the above
6. Which of the following is a continuing cause of succession?
a. Migration
b. Volcanic eruption
c. Flood
d. All of the above
7. Which of the following is a initiating cause of succession?
a. Earthquake
b. Volcanic eruption
c. Flood
d. All of the above
8. Number of individuals divided by per unit habitat space is called as:
a. Density
b. Crude population density
c. Ecological density
d. Population density
9. Which of the following is keystone species?
a. Elephant
b. Pygmy hog
c. Deer
d. Wild boar

10. Individualistic concept was forwarded by:
- a. Clements
 - b. Glyson
 - c. Linneaus
 - d. Odum

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(Descriptive)

Time : 1 hr. 15 mins.

Marks : 25

[Answer question no.1 & any two (2) from the rest]

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| 1. Define ecosystem with at least two elaborative examples. | 5 |
| 2. Mention in details at least two different biogeochemical cycles along with flowcharts. | 10 |
| 3. Explain about the different ecological pyramids with examples. | 10 |
| 4. Define a population. Write about the different population characteristics. | 10 |
| 5. What is ecological succession? Write about the causes and different types of ecological succession. | 10 |

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