

PROGRAMME	BACHELOR OF COMPUTER APPLICATIONS (BCA)
SEMESTER	I
COURSE CODE & NAME	DCA1110 – Environmental Science

Section A

Multiple Choice Questions (2 Marks each)

[Please answer *all* the questions]

1. Which of the following elements is considered to be the largest source of commercial energy consumption in the world?
 - a) Nuclear
 - b) Natural gas
 - c) Oil
 - d) Coal

2. Which of the following types of coal has the most carbon content?
 - a) Bituminous
 - b) Lignite
 - c) Peat
 - d) Anthracite

3. _____ is a non-renewable resource.
 - a) Crude oil
 - b) Uranium
 - c) Silica
 - d) Hot spring

4. Which of the following animal is now extinct?
 - a) Tasmanian tiger

- b) Tasmanian devil
- c) Quoll
- d) Pademelon

5. Deforestation generally decreases the.

- a) Soil erosion
- b) Global warming
- c) Drought
- d) Rainfall

6. Noise pollution is measured in.

- a) Ohm
- b) Decibel
- c) Joule
- d) Ampere

7. Choose the correct options showing various processes involved in water cycle.

- a) Evaporation, Transpiration, Condensation, Precipitation
- b) Condensation, Evaporation, Transpiration, , Precipitation
- c) Precipitation , Evaporation, Transpiration, Condensation,
- d) Transpiration, Condensation, Evaporation, Precipitation

8. Which of the following nutrient cycle is directly propelled by sunlight?

- a) Carbon cycle
- b) Nitrogen cycle
- c) Phosphorous cycle
- d) None of above

9. What does critically endangered species mean?

- a) Extremely high risk of extinction in the wild
- b) High risk of endangerment
- c) Likely to become endangered soon
- d) Known only to survive in captivity

10. Which of the following salts is the main cause of permanent hardness of water?

- a) Magnesium sulphate
- b) Magnesium bicarbonate

- c) Magnesium carbonate
- d) Both a and c

Section B

SHORT ANSWERS (5 Marks each)

Approximately (200-250) words

[Please answer *Any Four* questions]

1. Explain about the various sources of soil pollution.
2. What is Noise pollution? Define noise pollution controls measures.
3. How do you ensure sustainable development?
4. What are the different factors affecting population growth.
5. Explain the biotic and abiotic components of an ecosystem.
6. Explain the factors steering the overuse of non-renewable natural resources.

Section C

LONG ANSWERS (10 Marks each)

Approximately (400-500) words

[Please answer *Any Three* questions]

1. Describe threat and conservation of biodiversity in the modern world.
2. What do you mean by Forest Resource? Distinguish causes and effect of deforestation
3. Explain the effect of water pollution on human health and environment.
4. Explain about the different biogeographic zones in detail.