

Total No. of Questions : 07

Total No. of Pages : 02

B.Sc.(IT) (2015 & Onwards)/BCA (2013 & Onward) (Sem.-2)

ENVIRONMENTAL SCIENCE

Subject Code : EVSC-101

Paper ID : [B1112]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and a student has to attempt any FOUR questions.

SECTION-A

Q1 Answer all parts of the question :

- Why is environmental studies considered interdisciplinary?
- What is an ecological pyramid?
- Define Biodiversity. How is it conserved?
- How does the phenomenon of 'Eutrophication' occur?
- Draw an indicative diagram of energy flow in ecosystem.
- What is meant by sustainable development?
- Why is 'rain water harvesting' important?
- List the mitigation measures of natural disasters.
- Discuss the relationship between human health and environment.
- How do you think IT useful in environmental protection?



SECTION-B

- Q2 Discuss the recent issues related to global effects of air pollution.
- Q3 Consider the Hydrological Cycle and establish water as a natural resource.
- Q4 Discuss the issues associated with environmental ethics and offer possible solutions.
- Q5 What are chlorofluorocarbons (CFC)? What are its major uses? Explain its significance in global atmospheric change.
- Q6 Discuss the environmental effects of urban energy consumption. Suggest remedial measures to rectify the problems.
- Q7 Consider that you are in charge of the solid waste management in your campus. Discuss what all data collection you would conduct and propose a strategy for solid waste management.

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BCA, DEP, B.Sc. (IT), DCA (Sem.-2)

ENVIRONMENTAL SCIENCE

Subject Code : EVSC-101

M.Code : 10056

Date of Examination : 14-07-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTION-A is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. SECTION-B contains **SIX** questions carrying **TEN** marks each and a student has to attempt any **FOUR** questions.

SECTION-A

1. Answer briefly :

- Explain the importance of environment education in the present-day context.
- Differentiate between Food chain and Food web.
- Give any two examples of water-related conflicts between states in India.
- List the biogeographic regions of India.
- What do you understand by noise pollution? List any four effects of noise pollution.
- Define deforestation. List any two causes of deforestation.
- What do you understand by the term, environmental ethics?
- "Wastes are an inevitable evil of modern-day consumerism". Why?
- Explain the consequences of population growth on food resources.
- Why are environmental issues considered human rights issues?

SECTION-B

2. Explain the role of information technology in environment and human health. Give specific examples.
3. Discuss the important provisions of Forest Conservation Act.
4. "*Dams - a boon or a bane to the human civilization*". Discuss.
5. Discuss the various water pollution control and water conservation measures that can be practiced in your campus.
6. Discuss the importance of value education and public awareness in environmental management.
7. World Environment Day was celebrated on June 5th, 2022 with the theme "*Only One Earth*". Explain this theme considering the basic concept of balance of ecosystem.



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BCA (Sem.-2)
ENVIRONMENTAL STUDIES
Subject Code : EVS-102-18
M.Code : 77421
Date of Examination : 12-07-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.

SECTION-A

1. Write briefly :

- a) Why do you consider environmental studies multidisciplinary?
- b) Differentiate between renewable and non-renewable resources giving examples of each.
- c) List any four Hot Spots of Biodiversity in India.
- d) List any four causes of soil pollution.
- e) What is thermal pollution? List any four effects of thermal pollution.
- f) Define sustainable development.
- g) What is meant by environmental ethics?
- h) Why do you consider wastes as an inevitable evil of modern-day consumerism?
- i) Define (i) Growth rate (ii) Doubling time.
- j) Why are environmental issues considered human rights issues?

SECTION-B

2. Explain the role of information technology in environment and human health (give specific examples).
3. Discuss the important provisions of Environmental Protection Act (1986).
4. "Global warming is definitely a threat to environment" Explain.
5. Consider your campus as an ecological planning region. List and explain the possible water pollution control and water conservation measures you shall adopt. List out best practices at the individual level towards these objectives.
6. Discuss the importance of value education and public awareness in environmental management.
7. In 2022, the theme of 'the world environment day' (June 5) was 'Only One Earth'. Explain this theme from the basic concept of ecosystem.



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BCA (Sem.-2)

ENVIRONMENTAL STUDIES

Subject Code : EVS-102-18

M.Code : 77421

Date of Examination : 28-11-23

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.

SECTION-A

Write briefly :

- a) Why is public awareness important in environmental management?
- b) Define ecosystem. List the components of an ecosystem.
- c) Define Biodiversity. Why do we need to conserve it?
- d) List the effects of thermal pollution.
- e) Differentiate between primary and secondary air pollutants, give two examples of each.
- f) List any four strategies for urban water conservation.
- g) What are the causes of acid rain?
- h) List the mitigation measures of earth quake as a natural disaster.
- i) List any four issues associated with effective implementation of environmental laws in India.
- j) What is meant by population explosion?

SECTION-B

2. Sketch and explain the concept of ecological pyramid in Lake Ecosystem.
3. What are e-wastes? Explain the different types. How do you relate it to the urban consumerism?
4. Explain the strategies for effective solid waste management in your campus. Identify the different types of wastes, work out typical quantities and suggest possible final disposal methods.
5. Discuss the concept of sustainable development. Propose a strategy to implement the same in any developmental activity.
6. Discuss the environmental effects of urban transport. Consider the vehicular exhaust as a source of air pollution and explain the effects of the specific pollutants.
7. "Developing or underdeveloped countries cannot afford the luxury of environmental conservation". Critically comment.

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BCA (Sem.-2)
ENVIRONMENTAL STUDIES

Subject Code : EVS/102/18

M.Code : 77421

Date of Examination : 21-05-2024

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.

SECTION-A

1. Write briefly :

- (a) What is rain water harvesting?
- (b) What is Ecological Pyramid?
- (c) Define Food Chain.
- (d) Write two steps to control foods.
- (e) What are negative effects of deforestation?
- (f) What is population explosion?
- (g) What is sustainable development?
- (h) Give full form of AIDS.
- (i) What are effects of Acid Rain?
- (j) What is an Eco-Mark?

SECTION-B

2. Write a note on 'Forest Conservation Act'.
3. What is the effect of depletion of ozone layer on human beings? Discuss.
4. Explain the reasons to explain why we should conserve biodiversity?
5. What is soil pollution? Discuss the measures; you will adopt in order to control soil pollution.
6. You have gone for a field visit to Wildlife Sanctuary. Prepare a sample report /register of a Campus having wildlife sanctuary.
7. Explain the types, characteristic features and functions of Aquatic Ecosystems.

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BCA (Sem.-2)
ENVIRONMENTAL STUDIES
Subject Code : EVS-102-18
M.Code : 77421

Date of Examination : 11-12-2024

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.

SECTION-A

1. Write briefly:

- a) Producers
- b) Global Warming
- c) Food Chain
- d) Abiotic factors
- e) Acid Rain
- f) National Park
- g) Species Biodiversity
- h) Red Data Book
- i) Deforestation
- j) Soil Erosion.

SECTION-B

2. Discuss the role of public awareness in environment conservation.
3. Discuss Lake Ecosystem in detail with the help of a suitable diagram.
4. Explain important functions of a Forest Ecosystem and various threats faced by them.
5. What is a Biodiversity Hotspot? Discuss it with the help of a suitable example.
6. What are the various causes of Air Pollution? Give its health risks.
7. What do you understand by Global Climate Change? Discuss their effects.

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BCA (Sem.-2)
ENVIRONMENTAL STUDIES
Subject Code : EVS-102-18
M.Code : 77421
Date of Examination: 02-06-2025

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.

SECTION - A

1. Write briefly :

- a) Decomposers
- b) Climate Change
- c) Food Web
- d) Biodiversity
- e) Rain Water Harvesting
- f) Ecosystem
- g) Ecological Pyramid
- h) Wind Energy
- i) Cyclones
- j) Acid Rain

SECTION - B

2. Why India is known as Mega Biodiversity Nation? Discuss in detail.
3. Discuss Forest Ecosystem and explain its significance in details.
4. What do you understand by Global Warming? How it affects life on earth?
5. Why we need water conservation today? Discuss various methods of water conservation.
6. What are the various causes of Land degradation? Discuss its effects.
7. Discuss in details various alternate sources of energy to address energy crisis.

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