

Roll No.....

Paper Code: Env.Sc.

**UNDER GRADUATE EXAMINATION, SEPTEMBER 2010
ENVIRONMENT SCIENCES**

[Time allotted: Three hours]

[Max Marks: 100]

PART – A

(Short notes)

Q. 1. Attempt any five questions.

(5 x 5= 25)

- a. Rainwater Harvesting
- b. Global warming
- c. Transmission of HIV
- d. Wasteland with examples
- e. Human Rights
- f. Methods of Land Conservation
- g. Demographic cycle
- h. Non-auditory effects of noise pollution

PART – B

(Essay type questions)

Q. 2. Attempt any five questions

(10 x 5= 50)

- a. What are the causes of marine pollution? Name some common marine pollutants. What are the methods of preventing marine pollution?
- b. Describe the impact of human activities and natural forces on forests of India.
- c. What are the objectives of Environment Protection Act? Outline the procedure for taking up cases by the court against violators of the Environment Protection Act.
- d. What are minerals? State types of minerals. What are the environmental impacts of mining?
- e. Enumerate various Birth Control Methods and write in brief about Hormonal Methods.
- f. Define Health, Epidemiological Triad and various components of Environments.
- g. Discuss the role of an individual in prevention of pollution.
- h. What are the benefits as well as environmental problems occurring due to big dams?

PART - C

(Field Visits)

Q. 3. Both questions are compulsory

(15 + 10= 25)

- a. Describe what you have observed in field visits undertaken for study of environmental sciences. Briefly outline the activities carried out by you during these visits.
- b. What are your suggestions for improving the environment in your surroundings?

① - 2

Paper Code: EVS -10

Reg. No.....

UNDER GRADUATE EXAMINATION, JUNE/JULY - 2015
ENVIRONMENTAL SCIENCE

[Time allotted: Three hours]

[Max Marks: 100]

Part – A

(Short notes)

(5 × 5 = 25)

Q. 1. Attempt any FIVE questions.

- a. Bio-magnification.
- b. Enumerate causes for loss of bio-diversity.
- c. What is acid rain? Explain any two impacts of acid rain.
- d. Mention activities that are prohibited inside a wildlife sanctuary.
- e. Describe briefly the effects of noise pollution.
- f. Mention economic effects of global warming.
- g. Mention ways by which forests contribute towards keeping the environment stable.

Part – B

(Essay type questions)

(10 × 5 = 50)

Q. 2. Attempt any FIVE questions.

- a. Discuss adverse effects and control of water pollution.
- b. What is meant by population explosion? Discuss the Indian scenario.
- c. Discuss the human activities that are responsible for climate change in recent years. What is meant by acid rain? List major impacts of this and measures to control.
- d. Define biodiversity. Comment upon Indian biodiversity.
- e. What are the various family planning methods? Briefly discuss the barrier methods.
- f. Explain any six ways of conserving and managing soil.
- g. Discuss the ways by which water can be used sustainably.
- h. Describe any four ways of saving the ozone layer.

Part – C

(Field Visit)

Q. 3. Attempt any ONE question:

(25)

- a. Write in detail about your environmental field visit. Briefly outline the activities carried out by you during this visit.
- b. What are your suggestions for improving the environment in your surroundings?

Reg. No.....

Paper Code: EVS -12

UNDER GRADUATE EXAMINATION, JUNE/JULY - 2016
ENVIRONMENTAL SCIENCE

[Time allotted: Three hours]

[Max Marks: 100]

Part – A
(Short notes)

(5 × 5 = 25)

Q. 1. Attempt any **FIVE** questions.

- a. What is acid rain? Explain any two impacts of acid rain.
- b. Blue baby syndrome
- c. Effects of noise pollution.
- d. Economic effects of global warming.
- e. Effects of soil erosion.
- f. Problems due to water logging.
- g. Eutrophication

Part – B
(Essay type questions)

(10 × 5 = 50)

Q. 2. Attempt any **FIVE** questions.

- a. Define biodiversity. Comment upon Indian biodiversity.
- b. What are objectives of Environmental Act? Discuss legal provisions against violation of the Act.
- c. Discuss human activities that are responsible for climate change in recent years. List major impacts of climate change and measures of control.
- d. Discuss the ways by which water can be used sustainably.
- e. Discuss the alternate sources of energy and how they can be utilized in our day to day activities.
- f. What is overgrazing? Explain three impacts of overgrazing. Discuss any three measures to control overgrazing.
- g. What is meant by population explosion? Discuss the Indian scenario.
- h. What is a watershed? Critically discuss the practices of its management.

Part – C
(Field Visit)

(25)

Q. 3. Attempt any **ONE** question:

- a. Discuss in detail your observations and activities carried out on environmental field visit.
- b. Write in detail about your field visit to a Forest area under the following headings:
 - i. Forest structure – Types of plants & animals observed
 - ii. Commercial uses of forests
 - iii. Ecological utility of forests
 - iv. Human impact on forests

Reg. No.....

Paper Code: EVS -13

UNDER GRADUATE EXAMINATION, OCTOBER - 2016
ENVIRONMENTAL SCIENCE

[Time allotted: Three hours][Max Marks: 100]

Part – A
(Short notes)

Q. 1. Attempt any **FIVE** of the following:

(5 × 5 = 25)

- a. Blue baby syndrome
- b. Hydropower
- c. Demographic cycle
- d. Classification of Ecosystems
- e. Any three human activities that are responsible for climate change in recent years.
- f. Ozone layer depletion.
- g. Acid rain and its impact.
- h. Economic effects of global warming.

Part – B
(Essay type questions)

Q. 2. Attempt any **FIVE** questions.

(10 × 5 = 50)

- a. What is meant by population explosion? Discuss the Indian scenario.
- b. Define biodiversity. Comment upon Indian biodiversity.
- c. Suggest measures to reduce the menace of noise generated by crackers & fireworks during Deepawali festival in India.
- d. What is the role of Information Technology in Environment & Health?
- e. Discuss the measures to conserve water.
- f. Describe the modes of transmission of HIV infection and prevention strategies being adopted by the Govt. of India to combat this disease.
- g. Enumerate the types of disasters and briefly discuss a type of disaster in which a future warning/forecast can be given.
- h. Discuss the ways by which water can be used sustainably.

Part – C
(Field Visit)

Q. 3. Attempt any **ONE** of the following:

(25)

- a. Describe what you have observed during field visits as a student of environmental sciences.
- b. Write your recommendations for improving the environment of your immediate surroundings.

Reg. No.....

Paper Code: EVS -14

UNDER GRADUATE EXAMINATION, JUNE/JULY - 2017
ENVIRONMENTAL SCIENCE

[Time allotted: Three hours]

[Max Marks: 100]

Part – A
(Short notes)

Q. 1. Attempt any **FIVE** questions.

(5 × 5 = 25)

- a. Effects of water pollution.
- b. Effects of soil erosion.
- c. Any three human activities that are responsible for climate change in recent years.
- d. Problems due to water logging.
- e. Ozone layer depletion
- f. Mention activities that are prohibited inside a wildlife sanctuary.
- g. Rainwater Harvesting.
- h. Indoor air pollution

Part – B
(Essay type questions)

Q. 2. Attempt any **FIVE** questions.

(10 × 5 = 50)

- a. Discuss the alternate sources of energy and how they can be utilized in our day to day activities.
- b. What is meant by population explosion? Discuss the Indian scenario.
- c. Any three human activities that are responsible for climate change in recent years.
- d. What is overgrazing? Explain three impacts of overgrazing. Discuss any three measures to control overgrazing.
- e. Define biodiversity. Comment upon Indian biodiversity.
- f. Enumerate the types of disasters and briefly discuss a type of disaster in which a future warning/forecast can be given.
- g. Explain any six ways of conserving and managing soil.
- h. Give an account of noise generated by crackers & fireworks during Deepawali festival in India. What measures would you suggest to reduce this menace?

Part – C
(Field Visit)

Q. 3. Attempt any **ONE** question:

(25)

- a. Human activities related to urbanization and industrialization have led to large scale pollution of the environment. Discuss measures to control the man-made pollution near your residential area.
- b. How will you act to improve the environment in your locality? Briefly write how you will motivate your neighbours to conserve their environment.

Reg. No.....

Paper Code: EVS -15

UNDER GRADUATE EXAMINATION, NOVEMBER - 2017
ENVIRONMENTAL SCIENCE

[Time allotted: Three hours]

[Max Marks: 100]

PART – A (SHORT NOTES)

Q. 1. Attempt any FIVE questions.

(5 × 5 = 25)

- a. Demographic Cycle
- b. Indoor air pollution
- c. Effects of water pollution
- d. Effects of soil erosion
- e. Acid rain and its impacts
- f. Ozone layer depletion
- g. Any three human activities that are responsible for climate change in recent years
- h. Health effects due to over-use of fertilizers and insecticides.

PART – B (ESSAY TYPE QUESTIONS)

Q. 2. Attempt any FIVE questions.

(10 × 5 = 50)

- a. Discuss the alternate sources of energy and how they can be utilized in our day to day activities.
- b. What is meant by population explosion? Discuss the Indian scenario.
- c. What is overgrazing? Explain three impacts of overgrazing. Discuss any three measures to control overgrazing.
- d. Discuss the role of an individual in prevention of pollution.
- e. Define biodiversity. Comment upon Indian biodiversity.
- f. Enumerate the types of disasters and briefly discuss a type of disaster in which a future warning/forecast can be given.
- g. Development activities like construction of dams and mining lead to displacement of people. Explain the problems being faced by these displaced people.
- h. Enumerate the various Family Planning methods. Discuss the mechanism of action of Copper-T Intra Uterine Devices.

PART – C (FIELD VISIT)

Q. 3. Attempt any ONE question:

(25)

- a. How would you act to improve the environment in your locality? Briefly write how you would motivate your neighbours to conserve their environment.
- b. Write in detail about your field visit to a Forest area under the following headings:
 - i. Forest structure – Types of plants & animals observed
 - ii. Commercial uses of forests
 - iii. Ecological utility of forests
 - iv. Human impact on forests

Reg. No.....

Paper Code: EVS-01

UNDER GRADUATE EXAMINATION, JULY – 2018
ENVIRONMENTAL SCIENCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all Sections and Questions.

SECTION A

Q. 1. Attempt any 5 questions. (Short Answer Type Questions)

(5 × 6 = 30)

- a. Multidisciplinary nature of environmental studies
- b. Functions of ecosystem
- c. Role of tribal populations in forest conservation
- d. Threats to biodiversity
- e. Types of air pollutants
- f. Silent features of Environmental Protection Act, 1986
- g. Causes of population growth
- h. Impacts of deforestation

SECTION B

Q. 2. Attempt any 4 questions.

(4 × 10 = 40)

- a. Define term environment. Brief about the components of environment.
- b. Describe process of energy flow takes place in an ecosystem.
- c. Discuss the consequences of deforestation and mining activities on environment.
- d. Brief about the ecological, economical, ethical values of biodiversity.
- e. "Environmental awareness plays an important role in pollution prevention". Justify this statement.
- f. What are the functions of ozone layer? Write chemical reactions that takes place in stratosphere for ozone layer depletion.
- g. The exponential growth in human population has caused many environmental problems. Describe the effects of population growth on the environment.

SECTION C

Q. 3. Attempt any 1 question.

(1 × 30 = 30)

- a. Describe what you have observed during field visits under environmental sciences. What are your suggestions for improving the environment in your surroundings?

OR

- b. Why is it necessary to study Environmental Sciences? Give a detailed account of what you have observed during the field visits undertaken by you for understanding of the environment issues around you locality.

UNDER GRADUATE (M.B.B.S.) EXAMINATION, FEBRUARY/ MARCH - 2019**ENVIRONMENTAL SCIENCE****[Time allotted: Three Hours]****[Max Marks: 100]****Note:** Attempt all sections**SECTION A****Q. 1. Attempt any 5 questions. (Short Answer Type Questions) (5 x 6 = 30)**

- a. World environment day
- b. Types of forest ecosystems
- c. Causes of growing energy needs
- d. Causes of man-wildlife conflicts
- e. Concept of 3R's in solid waste management
- f. Causes of global warming
- g. Causes of cyclone formation
- h. Importance of birds in ecosystem

SECTION B**Q. 2. Attempt any 4 questions. (Essay Type Questions) (4 x 10 = 40)**

- a. Describe about the different segments of environment.
- b. Discuss the process of ecological succession.
- c. Discuss the protective and regulative functions of forests.
- d. What are hotspots of biodiversity? Discuss their salient features.
- e. Describe about nuclear hazards and related human health risks.
- f. Give an account of International agreements for environmental protection.
- g. Discuss the impacts of overpopulation on environmental quality.

SECTION C**Attempt any 1 question. (Essay type question on field visit) (1 x 30 = 30)**

- Q. 3. a. Explain your field visit experiences with reference to:**
- (i) Importance of plants (ii) Importance of birds (iii) Importance of fungi in ecosystem.

OR

- b. What are the causes of environmental pollution? Explain your field visit experiences with reference to any type of environmental pollution that you have observed during the visit.**

UNDER GRADUATE (M.B.B.S.) EXAMINATION, MAY/ JUNE- 2019**ENVIRONMENTAL SCIENCE****[Time allotted: Three Hours]****[Max Marks: 100]****Note:** Attempt all sections**SECTION A****Q. 1.** Attempt **any 5** questions. (Short answer type questions)**(5 x 6 = 30)**

- a. Importance of Environmental Studies
- b. Differentiate between primary and secondary ecological succession
- c. Causes of water conflicts
- d. Disadvantages of ex-situ biodiversity conservation
- e. Natural causes of environmental pollution
- f. Impact of acid rain on material
- g. Population doubling time
- h. Eutrophication

SECTION B**Q. 2.** Attempt **any 4** questions. (Essay type questions)**(4 x 10 = 40)**

- a. Discuss the principles of sustainable development with examples.
- b. What are food chains and food webs? Give examples and discuss their significance.
- c. Give an account of non-renewable energy resources.
- d. Comment upon Indian biodiversity with special reference as a megadiversity nation.
- e. Discuss adverse effects and control of water pollution.
- f. What are the salient features of Water Pollution Control Act, 1974? Why such pollution control acts are important for environmental protection?
- g. Discuss the influence of environmental parameters and pollution on human health.

SECTION C**Essay type question on field visit****(1 x 30 = 30)****Q. 3.** Explain your field visit experiences with reference to -

- (a) Observation on natural vegetation (b) Environmental degradation (c) Human interference with natural ecosystems.

OR

Explain your field visit experiences with reference to -

- (a) Importance of environmental assets (b) Environmental quality (c) Pollution problem

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Regn. No. DD.....

Paper Code: EVS13

**UNDER GRADUATE EXAMINATION, AUGUST - 2019
ENVIRONMENTAL SCIENCES**

[Time allotted: Three Hours]

[Max Marks: 100]

Note: Attempt all Sections

SECTION A

Q. 1. Attempt any 5 questions. (Short Answer Type Questions) (5 x 6 = 30)

- a. Concept of sustainability
- b. Importance of food web
- c. Alternative energy sources
- d. Aesthetic value of biodiversity
- e. Natural causes of nuclear hazards
- f. Montreal protocol
- g. Bishnois of Rajasthan
- h. Environmental Protection Act, 1986

SECTION B

Q. 2. Attempt any 4 questions. (Essay Type Questions) (4 x 10 = 40)

- a. Define environment. Why is it necessary to create environmental awareness?
- b. Write any five functions of ecosystem. How energy flows in an ecosystem?
- c. Discuss with the help of a case study, how big dams have affected forests and the tribals.
- d. Comment upon Indian biodiversity with special reference as a megadiversity nation.
- e. How can you, as an individual, prevent environmental pollution? Why such an effort at individual level is important?
- f. What are green house gases and green house effect? Discuss the potential and contribution of these gases to global warming phenomenon.
- g. Discuss the impacts of human population growth on forest, biodiversity and environmental quality.

SECTION C

Attempt any 1 question. (Essay Type Question on Field visit) (1 x 30 = 30)

Q. 3. a. What do you mean by environmental management? Describe your observations and experiences based on field visit.

OR

- b. Describe your field visit experience with reference to: (a) objectives of visit, (b) site description, (c) signs of environmental degradation, and (d) process description (if any).**

SWAMI RAMA HIMALAYAN UNIVERSITY
PARA MEDICAL EXAMINATION, NOVEMBER- 2019

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COURSE CODE:**COURSE TITLE: ENVIRONMENTAL STUDIES****[Time allotted: Three Hours]****[Max Marks: 100]****Note:** Attempt all Sections

SECTION A

Q. 1. Attempt any 5 questions. (Short Answer Type Questions)**(5 x 6 = 30)**

- a. Sources of hazardous waste
- b. Kyoto protocol
- c. Impacts of overpopulation
- d. Significance of food web
- e. Causes of soil erosion
- f. Hotspots of biodiversity
- g. Types of ecosystem
- h. Components of environment

SECTION B

Q. 2. Attempt any 4 questions. (Essay Type Questions)**(4 x 10 = 40)**

- a. Discuss the significance of environmental communication in public awareness.
- b. Describe about the causes and consequences of land degradation.
- c. Give an account of values of biodiversity.
- d. How can you, as an individual, prevent environmental pollution? Why are such efforts important?
- e. Give an account on environmental legislation in India for environmental protection.
- f. Describe the vertical structure of atmosphere with the help of diagram.
- g. What are the main functions of ecosystem? Explain with example.

SECTION C

Attempt any 1 question. (Essay Type Question on Field visit)**(1 x 30 = 30)**

Q. 3. a. Describe the functions of ecosystem and importance of biodiversity, with reference to your field visit.

OR

b. What do you mean by environmental degradation? Write the cause of environmental degradation. Have you observed any signs of environmental degradation during your field visit? If so, explain it.

UNDER GRADUATE (M.B.B.S.) EXAMINATION, JANUARY/FEBRUARY-2020**ENVIRONMENTAL SCIENCE****[Time allotted: Three Hours]****[Max Marks: 100]****Note:** Attempt all sections**SECTION A****Q. 1.** Write briefly on any **any 5** of the following: (short answer type questions) **(5 x 6 = 30)**

- a. Layers of atmosphere
- b. Causes of ecological succession
- c. Causes of portable water crisis
- d. Biogeographic zones in India
- e. Control of noise pollution
- f. Forest act, 1980
- g. Carbon footprints
- h. Waste as resource

SECTION B**Q. 2.** Attempt **any 4** questions. (essay type questions) **(4 x 10 = 40)**

- a. Brief about the importance and scope of environmental studies.
- b. How does flow of energy and cycling of matter take place in ecosystems?
- c. Brief the direct and indirect functions of forest.
- d. What are the objectives of biodiversity conservation? Brief in-situ conservation practices.
- e. What are nuclear hazards? How nuclear hazards can be minimized?
- f. What are the ultimate causes of acid rain formation? Why acid rain is so harmful?
- g. Classify disasters. Describe the causes of earthquake.

SECTION CAttempt **any 1** question. (essay type question on field visit) **(1 x 30 = 30)****Q. 3.** a. Discuss the role of an individual in environmental quality and brief your field visit experiences in detail.**OR**

b. Describe about the environmental field visit in detail. Why is environmental awareness important to sustain healthy life?

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Regn. No. DD.....

Enrol. No. SRHU.....

**SWAMI RAMA HIMALAYAN UNIVERSITY
PARA MEDICAL EXAMINATION, AUGUST-2020**

COURSE CODE: EVS

COURSE TITLE: ENVIRONMENTAL STUDIES

[Time allotted: Two Hours]

[Max Marks: 100]

Note: Attempt all Sections

SECTION - A

Q. 1. Attempt any 3 questions. (Short Answer Type Questions) (3 x 10 = 30)

- a. Factors which regulate the environment
- b. Causes of soil erosion
- c. Endemic species
- d. Environmental protection act, 1986
- e. Effects of overpopulation on environment
- f. Air quality index

SECTION - B

Q. 2. Attempt any 2 questions. (Essay Type Questions) (2 x 20 = 40)

- a. Discuss the role of an individual to attain the objectives of sustainable development.
- b. Discuss the regulative and protective functions of forests.
- c. Discuss the concept of 3R's in solid waste management.
- d. Describe the concept of ozone layer depletion and its consequences.
- e. Discuss the factors which control the growth of human population.

SECTION - C

Attempt any 1 question. (Essay Type Question on Field visit) (1 x 30 = 30)

- Q. 3. a.** Explain the concept and importance of natural ecosystems. Also brief your field visit experience in detail.

OR

- b.** Explain your field visit experiences and discuss the importance of environmental education & awareness based on any of your field trip.

Regn. No. DD.....

Enrol. No. SRHU.....

**SWAMI RAMA HIMALAYAN UNIVERSITY
PARA MEDICAL EXAMINATION, JANUARY-2021**

COURSE CODE: EVS

COURSE TITLE: ENVIRONMENTAL SCIENCES

[Time allotted: Two Hours]

[Max Marks: 100]

Note: Attempt all Sections

SECTION - A

Q. 1. Attempt any 3 questions. (Short Answer Type Questions)

(3 x 10 = 30)

- a. Importance of Environmental studies
- b. Role of decomposers in an ecosystem
- c. Advantages of solar energy
- d. Social values of biodiversity
- e. Natural causes of environmental pollution
- f. Objectives of Environmental protection act

SECTION - B

Q. 2. Attempt any 2 questions. (Essay Type Questions)

(2 x 20 = 40)

- a. What do you mean by sustainability? What are the objectives of sustainable development?
- b. Describe the importance of food chain in ecosystem.
- c. Brief the causes and consequences of land degradation.
- d. Discuss the importance of biodiversity and its conservation.
- e. Give an account of the adverse effects of unmanaged solid waste.

SECTION - C

Attempt any 1 question. (Essay Type Question on Field visit)

(1 x 30 = 30)

Q. 3. a. How awareness plays an important role in environmental protection? Explain your field visit experience in detail.

OR

b. Brief your field visit experience and discuss the importance of forests in natural balance.

UNDER GRADUATE (M.B.B.S.) EXAMINATION, APRIL-2021**ENVIRONMENTAL SCIENCE****[Time allotted: Three Hours]****[Max Marks: 100]****Note:** Attempt all sections**SECTION A****Q. 1. Attempt any 5 questions. (Short answer type questions)****(5 x 6 = 30)**

- a. Brief note on troposphere.
- b. Importance of decomposers in ecosystem.
- c. Causes of drinking water crises.
- d. Importance of biodiversity.
- e. Brief note on sanitary landfills.
- f. Short note on Wildlife protection act, 1972.
- g. Brief note on carbon footprints.
- h. Importance of environmental ethics.

SECTION B**Q. 2. Attempt any 4 questions. (Essay type questions)****(4 x 10 = 40)**

- a. What do you mean by multidisciplinary nature of environmental studies? Describe the importance of environmental education.
- b. Explain about the biotic and abiotic components of ecosystem.
- c. What are the causes of deforestation? How forest resources regulate global climatic conditions?
- d. Describe the ecosystem and biodiversity services with examples.
- e. What do you mean by environmental pollution? How it can be reduced at individual level?
- f. What is acid rain? How acid affects environment and manmade structures?
- g. Define overpopulation. Describe the impacts of overpopulation on environment.

SECTION C**Attempt any 1 question. (Essay type question on field visit)****(1 x 30 = 30)**

Q. 3. How environmental awareness plays a significant role in environmental protection? Explain your field experience based on solid waste management practices around you.

OR

How environmental degradation can be avoided or minimized? Explain your experience based on field visit/study/day to day life, in detail.