



Roll No. \_\_\_\_\_

**End Semester Examination, December 2024**  
**Pan University- 1<sup>st</sup> Semester**  
**Environmental Studies and Disaster Management (VAC/151)**

**Time: 2.5 hrs**

**Max. Marks: 100**

**Note: All Questions are compulsory. Each Question carry 1 mark. There is no negative marking.**

| S. No. | Question                                                                 | Answer 1                  | Answer 2                         | Answer 3                      | Answer 4                       | Correct Answer |
|--------|--------------------------------------------------------------------------|---------------------------|----------------------------------|-------------------------------|--------------------------------|----------------|
| 1      | What is the primary source of methane emissions?                         | Fossil fuels              | Agriculture                      | Deforestation                 | Urban waste                    |                |
| 2      | What is a key principle of integrated water resources management (IWRM)? | Isolate water management  | Stakeholder involvement          | Maximize water usage          | Ignore local context           |                |
| 3      | Which type of energy source is primarily responsible for air pollution?  | Solar Energy              | Wind Energy                      | Fossil Fuels                  | Biomass                        |                |
| 4      | What is the main goal of the Paris Agreement?                            | Increase fossil fuel use  | Mitigate climate change          | Promote industrial growth     | Protect biodiversity           |                |
| 5      | What is a significant consequence of ocean acidification?                | Improved fish populations | Coral bleaching                  | Increased oxygen levels       | Enhanced marine biodiversity   |                |
| 6      | Which of the following is a common effect of soil degradation?           | Increased fertility       | Reduced agricultural yields      | Enhanced biodiversity         | More effective water retention |                |
| 7      | What is the primary goal of conservation programs?                       | Commercial exploitation   | Biodiversity protection          | Industrial expansion          | Urban development              |                |
| 8      | Which of the following is a major contributor to land degradation?       | Crop rotation             | Overgrazing                      | Sustainable forestry          | Mixed farming                  |                |
| 9      | What is a common effect of noise pollution on human health?              | Improved communication    | Hearing loss                     | Increased productivity        | Enhanced mental health         |                |
| 10     | What is the main purpose of the Clean Water Act?                         | Air quality improvement   | Water quality protection         | Wildlife conservation         | Urban development              |                |
| 11     | What is a key characteristic of invasive species?                        | Native to the ecosystem   | Disruptive to local biodiversity | Beneficial to the environment | Stable population              |                |

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|----|-----------------------------------------------------------------------------------------------|-----------------------------------|------------------------------|-------------------------------|-----------------------------|--|
| 12 | Which of the following is a method of reducing greenhouse gas emissions?                      | Increasing fossil fuel use        | Promoting renewable energy   | Deforestation                 | Urban sprawl                |  |
| 13 | What is a significant impact of rising sea levels?                                            | Increased freshwater availability | Coastal flooding             | Enhanced marine biodiversity  | Reduced storm intensity     |  |
| 14 | What does "environmental impact assessment" (EIA) aim to do?                                  | Ignore environmental factors      | Evaluate potential impacts   | Promote development           | Increase pollution          |  |
| 15 | Which of the following is a major source of air pollution in urban areas?                     | Agricultural practices            | Industrial emissions         | Natural disasters             | Forest fires                |  |
| 16 | What is a potential impact of mining on local communities?                                    | Improved infrastructure           | Habitat destruction          | Increased biodiversity        | Enhanced local economy      |  |
| 17 | Which type of disaster is characterized by the sudden release of energy in the Earth's crust? | Flood                             | Earthquake                   | Tsunami                       | Hurricane                   |  |
| 18 | What is a primary goal of reforestation?                                                      | Urban expansion                   | Carbon sequestration         | Increased agriculture         | Deforestation               |  |
| 19 | Which of the following is NOT a consequence of climate change?                                | Increased extreme weather         | Rising global temperatures   | Greater habitat stability     | Ocean acidification         |  |
| 20 | What is a major cause of food insecurity linked to climate change?                            | Enhanced agricultural practices   | Decreased crop yields        | Improved distribution systems | Increased biodiversity      |  |
| 21 | What does "disaster recovery" refer to?                                                       | Immediate response efforts        | Long-term rebuilding         | Preventing future disasters   | Ignoring previous disasters |  |
| 22 | Which of the following is an example of a biophysical hazard?                                 | Economic crisis                   | Earthquake                   | Political instability         | Social unrest               |  |
| 23 | What is a significant effect of urbanization on local ecosystems?                             | Increased biodiversity            | Habitat fragmentation        | Enhanced soil quality         | Reduced pollution           |  |
| 24 | What is the main focus of the National Environmental Policy?                                  | Economic development              | Environmental sustainability | Urbanization                  | Pollution control           |  |
| 25 | Which of the following pollutants is primarily associated with acid rain?                     | Ozone                             | Nitrogen Oxides              | Sulfur Dioxide                | Carbon Monoxide             |  |
| 26 | What is the purpose of biodiversity hotspots?                                                 | Promote monoculture               | Protect diverse ecosystems   | Increase land use             | Promote industrial growth   |  |
| 27 | What is a common effect of climate change on freshwater resources?                            | Increased water availability      | Diminished water quality     | Enhanced ecosystem services   | Decreased evaporation       |  |
| 28 | Which international agreement addresses the reduction of greenhouse gas emissions?            | The Basel Convention              | The Paris Agreement          | The Montreal Protocol         | The Kyoto Protocol          |  |

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| 29 | What is the primary goal of sustainable fisheries management?                 | Maximize catch                | Protect fish populations          | Increase fishing practices    | Promote aquaculture           |  |
| 30 | What is a significant risk associated with nuclear energy?                    | Air pollution                 | Greenhouse gas emissions          | Radioactive waste             | Water pollution               |  |
| 31 | Which of the following best defines ecological footprint?                     | A measure of biodiversity     | A measure of resource consumption | A measure of air quality      | A measure of urbanization     |  |
| 32 | What is the main focus of the Wildlife Conservation Act?                      | Pollution control             | Habitat protection                | Urban development             | Agricultural expansion        |  |
| 33 | What is a common consequence of deforestation in tropical areas?              | Increased rainfall            | Soil erosion                      | Enhanced biodiversity         | Improved air quality          |  |
| 34 | What is the primary aim of the Greenhouse Gas Reporting Program?              | Increase fossil fuel use      | Reduce greenhouse gas emissions   | Promote urban development     | Enhance resource extraction   |  |
| 35 | What is a major health impact of exposure to heavy metals?                    | Improved immune function      | Neurotoxicity                     | Enhanced physical performance | Decreased risk of cancer      |  |
| 36 | What is the main objective of disaster preparedness education?                | Increase community risks      | Promote individualism             | Foster community resilience   | Dismiss potential hazards     |  |
| 37 | Which of the following is an example of a renewable resource?                 | Coal                          | Natural Gas                       | Wind                          | Oil                           |  |
| 38 | What is a significant environmental consequence of urban sprawl?              | Enhanced green spaces         | Increased habitat fragmentation   | Improved public transport     | Decreased pollution           |  |
| 39 | What is a potential consequence of thermal pollution in aquatic environments? | Decreased oxygen levels       | Increased biodiversity            | Enhanced fish populations     | Improved water quality        |  |
| 40 | What is the main focus of the Convention on Biological Diversity?             | Promote resource exploitation | Protect biodiversity              | Increase pollution            | Ignore climate change         |  |
| 41 | Which of the following is a key component of effective emergency response?    | Lack of communication         | Community involvement             | Ignoring risk factors         | Delayed action                |  |
| 42 | What is a primary impact of rising temperatures on polar ecosystems?          | Increased biodiversity        | Habitat loss                      | Enhanced marine productivity  | Improved soil quality         |  |
| 43 | What is the main goal of pollution control laws?                              | Protect human health          | Promote industrial growth         | Enhance economic development  | Decrease regulatory oversight |  |
| 44 | Which type of waste is considered hazardous?                                  | Organic waste                 | Industrial waste                  | Recyclable materials          | Municipal waste               |  |
| 45 | What is the primary focus of the Clean Air Act?                               | Water quality                 | Air quality                       | Wildlife conservation         | Forest protection             |  |
| 46 | What is a common result of overfishing on marine ecosystems?                  | Increased fish populations    | Disrupted food chains             | Enhanced biodiversity         | Improved ecosystem health     |  |
| 47 | What is the main focus of environmental restoration efforts?                  | Pollution increase            | Habitat recovery                  | Industrial expansion          | Urban sprawl                  |  |

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| 48 | What is a potential benefit of using biodegradable materials?                                       | Increased pollution         | Reduced landfill waste            | Enhanced durability            | Increased resource extraction |  |
| 49 | Which of the following is a consequence of climate change for agriculture?                          | Decreased pest outbreaks    | Increased drought risk            | Enhanced crop yields           | Improved soil moisture        |  |
| 50 | What is the primary focus of the National Flood Insurance Program?                                  | Promote urban development   | Reduce flood risks                | Increase infrastructure        | Enhance economic growth       |  |
| 51 | Which of the following is a direct consequence of melting glaciers?                                 | Increased sea levels        | Decreased freshwater availability | Enhanced biodiversity          | Improved air quality          |  |
| 52 | What is a significant source of air pollutants in indoor environments?                              | Natural disasters           | Household products                | Agricultural practices         | Urbanization                  |  |
| 53 | What is the primary aim of energy efficiency programs?                                              | Increase energy consumption | Decrease greenhouse gas emissions | Promote fossil fuels           | Enhance industrial growth     |  |
| 54 | What is a major challenge in implementing disaster management plans?                                | Overfunding                 | Community resistance              | Abundant resources             | Increased preparedness        |  |
| 55 | What is a key goal of the Sustainable Development Goals (SDGs)?                                     | Promote inequality          | Foster global partnerships        | Increase fossil fuel use       | Ignore climate change         |  |
| 56 | What does "risk reduction" mean in disaster management?                                             | Ignoring hazards            | Minimizing potential impacts      | Increasing vulnerability       | Maximizing disaster effects   |  |
| 57 | Which of the following is a major factor in soil erosion?                                           | Ground cover                | Urban development                 | Sustainable farming            | Water conservation            |  |
| 58 | What is the primary purpose of the Convention on International Trade in Endangered Species (CITES)? | Promote trade of wildlife   | Protect endangered species        | Increase tourism               | Enhance biodiversity          |  |
| 59 | Which of the following is an example of a man-made disaster?                                        | Flood                       | Deforestation                     | Industrial accident            | Hurricane                     |  |
| 60 | What is the main focus of sustainable urban development?                                            | Maximize land use           | Promote transportation            | Ensure environmental integrity | Ignore social needs           |  |
| 61 | What is a common effect of climate change on biodiversity?                                          | Increased genetic diversity | Enhanced habitat quality          | Species extinction             | Improved ecosystem health     |  |
| 62 | Which of the following is a method of soil conservation?                                            | Overgrazing                 | Crop rotation                     | Deforestation                  | Urban expansion               |  |
| 63 | What is the primary aim of pollution prevention strategies?                                         | Increase waste              | Reduce environmental impact       | Promote industrial growth      | Ignore regulations            |  |
| 64 | What is a significant effect of the greenhouse effect?                                              | Lower global temperatures   | Increased temperatures            | Enhanced biodiversity          | Improved air quality          |  |
| 65 | What is a major source of marine pollution?                                                         | Urban runoff                | Agricultural runoff               | Atmospheric deposition         | All of the above              |  |

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|----|---------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------|--------------------------------|--|
| 66 | What is a potential consequence of global water scarcity?                             | Improved ecosystem health      | Increased conflict over water                      | Enhanced agricultural yields    | Reduced human health           |  |
| 67 | What is the primary focus of the Global Environment Facility (GEF)?                   | Promote industrial development | Protect the global environment                     | Increase economic growth        | Ignore climate issues          |  |
| 68 | What is a common result of habitat fragmentation?                                     | Increased species diversity    | Decreased population connectivity                  | Improved ecosystem health       | Enhanced resource availability |  |
| 69 | What is the main objective of sustainable agriculture?                                | Maximize yield                 | Minimize environmental impact                      | Increase chemical usage         | Promote monoculture            |  |
| 70 | What is a significant risk factor for natural disasters?                              | Preparedness                   | Population density                                 | Urban planning                  | Sustainable practices          |  |
| 71 | What does "climate adaptation" refer to?                                              | Ignoring climate change        | Adjusting practices to changing climate conditions | Increasing emissions            | Promoting fossil fuels         |  |
| 72 | What is the primary aim of public awareness campaigns about environmental issues?     | Ignore scientific findings     | Promote community engagement                       | Increase pollution              | Limit biodiversity             |  |
| 73 | What is a key characteristic of a resilient community?                                | Vulnerability to disasters     | Ability to recover from crises                     | Lack of preparedness            | Dependency on external aid     |  |
| 74 | What is a major contributor to urban air quality degradation?                         | Increased green spaces         | Industrial emissions                               | Improved public transport       | Sustainable energy             |  |
| 75 | What is a common impact of thermal pollution on aquatic ecosystems?                   | Increased oxygen levels        | Decreased biodiversity                             | Enhanced fish populations       | Improved water quality         |  |
| 76 | Which of the following is a method of disaster risk assessment?                       | Ignoring past events           | Community surveys                                  | Random selection                | Increasing vulnerability       |  |
| 77 | What is a significant effect of over-exploitation of natural resources?               | Sustainable management         | Resource depletion                                 | Improved ecosystem health       | Enhanced biodiversity          |  |
| 78 | What is the main focus of the National Disaster Management Authority (NDMA) in India? | Promote economic growth        | Reduce disaster risks                              | Increase urbanization           | Encourage industrialization    |  |
| 79 | What is a potential impact of increased carbon emissions?                             | Lower global temperatures      | More extreme weather patterns                      | Improved air quality            | Decreased biodiversity         |  |
| 80 | Which of the following is an example of disaster preparedness?                        | Emergency drills               | Ignoring potential risks                           | Disregarding evacuation plans   | Limiting resources             |  |
| 81 | What is a primary effect of coastal erosion?                                          | Increased land use             | Loss of habitat                                    | Enhanced property values        | Improved marine health         |  |
| 82 | What is the focus of the U.S. Environmental Protection Agency (EPA)?                  | Promote industrial growth      | Protect human health and the environment           | Limit environmental regulations | Ignore public health           |  |
| 83 | What is the main consequence of rising global temperatures on polar ice?              | Decreased sea levels           | Melting ice                                        | Enhanced habitat stability      | Improved weather patterns      |  |
| 84 | What is a significant health risk associated with water pollution?                    | Improved community health      | Increased waterborne diseases                      | Enhanced quality of life        | Decreased healthcare costs     |  |
| 85 | What does "ecosystem services" refer to?                                              | Financial benefits             | Natural processes that                             | Pollution                       | Industrial outputs             |  |

|     |                                                                                                         |                              |                                   |                                 |                             |  |
|-----|---------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------|---------------------------------|-----------------------------|--|
|     |                                                                                                         | from ecosystems              | benefit humans                    | management                      |                             |  |
| 86  | What is a major benefit of utilizing public transportation?                                             | Increased traffic congestion | Reduced air pollution             | Higher greenhouse gas emissions | Improved urban sprawl       |  |
| 87  | Which of the following is a consequence of illegal logging?                                             | Increased biodiversity       | Habitat destruction               | Improved forest health          | Enhanced carbon storage     |  |
| 88  | What is a key focus of climate action plans?                                                            | Increase emissions           | Promote sustainability            | Ignore scientific data          | Enhance resource extraction |  |
| 89  | What is a significant challenge in disaster response?                                                   | Abundant resources           | Lack of coordination              | Effective communication         | Community involvement       |  |
| 90  | What is the main goal of the Land Use Act?                                                              | Promote urban sprawl         | Regulate land development         | Ignore environmental issues     | Increase pollution          |  |
| 91  | What is the primary purpose of the World Health Organization (WHO) in relation to environmental health? | Promote industrial practices | Protect global health             | Limit environmental regulations | Ignore health impacts       |  |
| 92  | Which of the following is a direct consequence of climate change for ecosystems?                        | Improved species adaptation  | Increased habitat connectivity    | Species migration               | Enhanced biodiversity       |  |
| 93  | What is the primary focus of the Environmental Protection Act?                                          | Promote economic development | Protect the environment           | Enhance industrial output       | Increase pollution          |  |
| 94  | What is a potential benefit of community-based disaster management?                                     | Increased individual efforts | Enhanced local resilience         | Reduced community involvement   | Decreased collaboration     |  |
| 95  | What is a significant effect of industrial agriculture on soil health?                                  | Improved nutrient cycling    | Soil degradation                  | Enhanced biodiversity           | Increased soil fertility    |  |
| 96  | What is the primary goal of the United Nations Framework Convention on Climate Change (UNFCCC)?         | Promote fossil fuel use      | Reduce greenhouse gas emissions   | Ignore climate science          | Enhance industrial growth   |  |
| 97  | What is a common effect of climate change on ocean ecosystems?                                          | Increased fish populations   | Coral reef bleaching              | Enhanced marine health          | Improved water quality      |  |
| 98  | What is a significant health risk associated with air pollution?                                        | Improved respiratory health  | Increased cardiovascular diseases | Enhanced quality of life        | Decreased hospitalization   |  |
| 99  | What is a key characteristic of a sustainable community?                                                | High resource consumption    | Minimal waste generation          | Increased emissions             | Environmental degradation   |  |
| 100 | What is the primary focus of urban sustainability initiatives?                                          | Maximize land use            | Reduce resource consumption       | Promote urban sprawl            | Ignore social equity        |  |