



Roll No. _____

End Semester Examination, December 2024
Pan University- 1st 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	
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	
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	
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	
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 from ecosystems	Natural processes that benefit humans	Pollution management	Industrial outputs	
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	