

10. Albedo is measured in scale from			
(A) 4.0 to 3.0	(B) 3.0 to 2.0	1	2
(C) 2.0 to 1.0	(D) 0.0 - 1.0		5
11. An instrument that measures relative humidity is called		1	1
(A) Anemometer	(B) Barometer		4
(C) Hygrometer	(D) Thermometer		
12. Sectors affected by climate change		1	2
(A) Political	(B) Ecosystem		4
(C) Air resources	(D) Institutions		
13. Identify the type of disease, which is caused due to changes in air temperature?		1	1
(A) Animal borne	(B) Water borne		5
(C) Food borne	(D) Vector-Borne		
14. Climate change mitigation involves		1	2
(A) Increases emission	(B) increases greenhouse gas level		6
(C) decreases greenhouse gas level	(D) Stabilize greenhouse gas level		
15. EPA was framed by		1	2
(A) Indian government	(B) Pakistan government		6
(C) Japan government	(D) U.S. government		
16. Under the IPCC business as usual emissions scenario, a predicted rate of global mean sea level rise in 2030 is about		1	2
(A) 10cm	(B) 20cm		4
(C) 30cm	(D) 40cm		
17. Which of the following type of energy source, can be replaced by nature in a short period of time?		1	2
(A) Fossil fuels	(B) Petroleum		6
(C) Solar Energy	(D) Nuclear Energy		
18. Identify the type of energy source, which is available in limited quantity but cannot be replaced by nature?		1	2
(A) Wind Energy	(B) Tidal Energy		5
(C) Solar Energy	(D) Nuclear Energy		
19. Following is the list of natural Green building materials used in construction are,		1	2
(A) Steel, brick, Fibre	(B) Cement Concrete and steel		6
(C) Earthen Materials, Wood, Bamboo	(D) Polyurethane, Fiber Glass, Cellulose, Cork		
20. During the energy audit of a building, the following basic steps are considered.		1	5
(A) Check heating and cooling system- Inspect electric Insulation- Account for Electricity Waste	(B) Check only heating system- Inspect electric Insulation- Account for Electricity Waste		5
(C) improving heating and cooling system- de-insulation- Account for Electricity Waste	(D) improving heating and cooling system- de-insulation- Account for Electricity Waste		

PART - B (5 × 4 = 20 Marks)

Answer any 5 Questions

	Marks	BL	CO
21. Write short notes on the atmosphere and its composition.	4	2	1
22. How does ocean acidification affect marine ecosystems?	4	2	2
23. Explain briefly about the climate change feedback.	4	2	3
24. Write short notes on the World Metrological Organization.	4	4	4

25. Write a short essay on renewable energy.	4	2	5
26. Define atmospheric humidity.	4	2	1
27. What is biomedical waste? Give example.	4	2	3

PART - C (5 × 12 = 60 Marks)

Answer all Questions

	Marks	BL	CO
28. (a) Describe the essential points to be considered for the impact of global warming.	12	2	1
(OR)			
(b) Give a detailed account of the importance of the earth's system and climate.			
29. (a) Explain about the Milankovitch theory and climate.	12	2	2
(OR)			
(b) Elaborate details on the Indian climate system.			
30. (a) Explain about the climate change impacts on various sectors.	12	2	3
(OR)			
(b) Explain on the primary instruments and methods used to measure key weather and climate parameters.			
31. (a) Define climate change mitigation and adaptation. Explain how they differ in their approach to addressing climate change.	12	2	4
(OR)			
(b) Discuss the role of the United Nations Framework Convention on Climate Change (UNFCCC) in establishing international protocols on climate. How does the UNFCCC facilitate cooperation among nations to address climate change?			
32. (a) Define renewable resources and provide three examples. Explain why these resources are considered renewable.	12	2	5
(OR)			
(b) Give a detailed account of green building technology.			

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