

VIDYAVARDHAKA COLLEGE OF ENGINEERING

Autonomous Institute, Affiliated to Visvesvaraya Technological University, Belagavi

Fifth Semester B. E. Examinations**Environmental Studies**

Duration: 2 hours

Max. Marks: 50

INSTRUCTION TO STUDENTS**1) Part – A: Answer 25 multiple choice questions, each carry 01 marks, mandatory****2) Part – B: Answer 10 descriptive questions**

Q. No.	Part –A	Marks	BL	CO
Module I				
1.	Sustainable development a) Discourages environmentally economic growth b) <u>Encourages environmentally economic growth</u> c) Encourages environmentally harmful and unsustainable forms of economic growth d) All the above	1	L2	CO1
2.	Which of the following is absorbed by green plants from the atmosphere? a) <u>Carbon dioxide</u> b) Water c) Nutrients d) All of above	1	L2	CO1
3.	The term environment was introduced by a) Jacob Van Verkul b) Tyler Miller c) Gilbertson d) <u>Eugene P Odum</u>	1	L2	CO1
4.	The temperature in the stratosphere ranges between a) 25° C to 55° C b) <u>-56° C to -2° C</u> c) 10° C to -5° C d) none	1	L2	CO1
5.	Habitat refers to a) Physical conditions of the place where organisms live b) Chemical conditions of the place where organisms live c) <u>Both</u> <u>a & b</u> d) None of a or b	1	L2	CO1
Module – II				
6.	Harnessing the wind energy is done by a) <u>Wind Mill</u> b) Ball mill c) Flour Mill d) Pig mill		L2	CO1
7.	About..... % of the earth is covered by water a) 53% b) 19% c) <u>71%</u> d) 33%	1	L2	CO1
8.	Problems of Hydrogen fuel cell is a) <u>storage and distribution</u> b) availability of hydrogen c) creates pollution d) None of the above	1	L2	CO1
9.	Biomass consists of a) Lignin b) Hemi cellulose c) Cellulose d) <u>All of the above</u>	1	L2	CO1
10.	Hydrogen energy can be tapped through a) heat pumps b) <u>fuel</u> <u>cells</u> c) photovoltaic cells d) gasifiers	1	L2	CO1
Module – III				

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11.	Environmental pollution is due to a) Rapid Urbanization b) deforestation c) Afforestation d) <u>a & b</u>	1	L2	CO1
12.	Important sources of land pollution are a) Industrial wastes b) Agricultural practices c) <u>a & b</u> d) None of these	1	L2	CO1
13.	The process of movement of nutrients from the soil by the Acid rain is called a) Transpiration. b) Evapo- transpiration c) Leaching d) <u>Infiltration.</u>	1	L2	CO1
14.	Reduction in brightness of the famous Taj Mahal is due to a) Global warming. b) <u>Air pollution</u> c) Ozone depletion d) Afforestation.	1	L2	CO1
15.	BOD Means ----- a) Biochemical oxygen demand b) Chemical oxygen demand c) Biophysical oxygen demand d) All	1	L2	CO1

Module - IV

16.	Classification of biomedical waste Infectious waste contain a)Bacteria c)Viruses c) Fungi d) All	1	L2	CO1
17.	Major Sources of Electrical waste are a) Electronic Tools b) Medical Devices c) Household Appliances d) <u>All</u>	1	L2	CO1
18.	Solid waste is commonly called a) <u>Garbage</u> b)Industrial waste c) Liquid waste d) None	1	L2	CO1
19.		1	L2	CO1
20.	The Water (Prevention & Control of Pollution) Act was enacted in the year a) 1986 b) 1974 c) 1994 d) 2004	1	L2	CO1

Module -V

21.	Ozone layer thickness is measured in a) PPM b) PPB c) Decibels d) <u>Dobson Units</u>	1	L2	CO1
22.		1	L2	CO1
23.	The movement of nutrients from soil by acid rain is called a) Infiltration b) Transpiration c) Leaching d) Exfiltration	1	L2	CO1
24.	Acidity in rain is measured by a) Barometer b) Hygrometer c) Ammeter d) pH meter	1	L2	CO1
25.	Ozone layers absorbs a) UV rays b) Infra red rays c) Cosmic rays d) CO	1	L2	CO1

Part B

Module - I

1	Describe the components of atmosphere.	3	L2	CO1
2	To achieve the SDG 1 target, prioritise the eradication measures.	2	L3	CO2

Module-II

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3	Explain the types of energy sources	3	L2	CO1
4	Health issues caused due to variation in Two edge sword concentration is observed in children. Justify this statement.	2	L3	CO2
Module-III				
5	Discuss the case study of Bhopal gas tragedy.	3	L2	CO1
6	Justify the statement, noise pollution induces temporary hearing loss.	2	L3	CO2
Module-IV				
7	What is E – waste? Discuss the methods of management.	3	L2	CO1
8	As per Municipal Solid Waste Management Rule, 2016, Enumerate the duties of Ministry of Urban Development.	2	L3	CO2
OR				
9	As per Biomedical Waste management Rules, what type of waste is handled in red coloured bin	3	L2	CO1
10	Summarise the present day water quality issues prevailing globally.	2	L3	CO2
Module-V				
11	Discuss the effects of acid rain.	3	L2	CO1
12	Is climate change has impact on human health, summarise.	2	L3	CO2
OR				
13	Describe the causes of ozone depletion.	3	L2	CO1
14	Warmer temperatures over time are changing weather patterns, justify.	2	L3	CO2

