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# B.M.S. College of Engineering, Bengaluru-560019

Autonomous Institute Affiliated to VTU

## August 2024 Supplementary Examinations

**Programme: B.E.**

**Semester: III / IV**

**Branch: Common to all Branches**

**Duration: 1hr 30min.**

**Course Code: 22CV3HSEVS / 22CV4HSEVS**

**Max Marks: 50**

**Course: Environmental Studies**

**Instructions:** 1. PART A is compulsory. Answer any **THREE** full questions from PART  
2. Missing data, if any, may be suitably assumed.

<b>Important Note:</b> Completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. Revealing of identification, appeal to evaluator will be treated as malpractice.	<b>PART A</b>			<b>CO</b>	<b>PO</b>	<b>Marks</b>
	1	The world Environmental day is celebrated every year on a)5 <sup>th</sup> June b) 22 <sup>nd</sup> April c) 5 <sup>th</sup> July d) 16 <sup>th</sup> September		CO1	PO1	<b>01</b>
	2	The study of interaction between living organisms and environment is called a)Environmental science b) Atmosphere c) Ecology d) Ecosystem.		CO1	PO1	<b>01</b>
	3	The first layer of Atmosphere is a)Mesosphere b) Ionospher c)Stratospher d) Troposphere		CO1	PO1	<b>01</b>
	4	The outer-most layer of the earth is known as a)Core b) Mantle c)Crust d) Disconformity		CO2	PO2	<b>01</b>
	5	What is EIA a)Environmental Impact Assessment b)Environmental Inspection Agency c)Environmental Impact Analysis d) Environmental Impact Apraisal		CO3	PO3	<b>01</b>
	6	The impact of construction of dams on environment is – a)Submerge forest habitat b) Loss of wild life c) Damages downstream ecosystem d) All of the above.		CO3	PO3	<b>01</b>
	7	16 <sup>th</sup> September is observed as _____ day a)Environmenta b) Biodiversity c) Earth d) World Ozone.		CO3	PO3	<b>01</b>

	8	Demography is the study of a) Acid rain c) Corrosion b) Population d) Pollution	CO3	PO3	<b>01</b>
	9	Which of the following is an NGO a) Narmada Bachao Andolan c) CPCB b) Geological Society of India d) None.	CO3	PO3	<b>01</b>
	10	Acid rain can be controlled by a) Reducing oxygen Emissions c) Reducing SO <sub>2</sub> and NO <sub>2</sub> Emissions b) Increasing Transportations d) Increasing Number of Lakes	CO3	PO3	<b>01</b>
	11	The environment which has been modified by human activities is called.... a) Natural environment c) Urban environment b) Anthropogenic environment d) Modern environment	CO3	PO3	<b>01</b>
	12	The objective of environmental education is to a) Raise consciousness about environmental conditions b) Teach environmentally appropriate behavior c) Create an environmental ethics. d) All of the above.	CO3	PO3	<b>01</b>
	13	Wild life Protection Act Implied on a) 1962 c) 1872 b) 1972 d) 1982	CO3	PO3	<b>01</b>
	14	Food chain always starts with a) Respiration c) Nitrogen fixation b) Transpiration d) Photosynthesis	CO3	PO3	<b>01</b>
	15	Extensive damage of Buildings and Monuments by Acid rain is a) Stone Leprosy c) Ozone Depletion b) Weathering d) Air pollution	CO3	PO3	<b>01</b>
	16	The largest reservoir of nitrogen is in which of the following our planet? a) Atmosphere c) Biosphere b) Hydrosphere d) Lithosphere.	CO3	PO3	<b>01</b>
	17	Excess of Nitrate in drinking water causes a) Minamata c) Blue Baby Syndrome b) Osteoporosis d) Gastroenteritis	CO3	PO3	<b>01</b>
	18	Which organization is responsible for implementing various educational programs and schemes for the empowerment of women in India? a) NITI Aayog b) Ministry of Women and Child Development c) Indian Council for Cultural Relations (ICCR) d) United Nations	CO3	PO3	<b>01</b>
	19	BOD means a) Biological Oxygen Demand	CO3	PO3	<b>01</b>

		b)Biochemical Oxygen Demand c)Biophysical Oxygen Demand d)Bacteriological Oxygen Demand			
	20	Green House effect causes a) Rise in temperature of earth      b) Increase in Rainfall c)Lowering acid rain                      d) Gastroenteritis	CO3	PO3	<b>01</b>
		<b>PART B (Answer any three full questions from the following)</b>			
1	a	Define Atmosphere? Explain Troposphere	CO1	PO6, 7	<b>05</b>
	b	With neat diagram, explain the structure of Lithosphere	CO1	PO6, 7	<b>05</b>
2	a	Discuss the following with examples a) Water borne and water induced diseases Renewable & non-renewable energy resources.	CO2	PO6, 7	<b>10</b>
3	a	Why Solid waste management is is essential?	CO4	PO6, 7	<b>03</b>
	b	Discuss different methods of Solid waste management	CO4	PO6, 7	<b>03</b>
	c	What is Blue Baby Syndrome (methemoglobinemia)?	CO4	PO6, 7	<b>04</b>
4	a	What is Demography?	CO5	PO6, 7	<b>03</b>
	b	Explain the characteristics of population growth	CO5	PO6, 7	<b>03</b>
	c	What is ozone, Explain causes of ozone depletion	CO5	PO6, 7	<b>04</b>

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