First/Second Semester B.E. Degree Examination, July/August 2021 **Environmental Studies** 

(COMMON TO ALL BRANCHES)

Time: 2 hrs.]

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[Max. Marks: 40

## INSTRUCTIONS TO THE CANDIDATES

- 1. Answer all the fourty questions, each question carries **ONE mark**.
- Use only Black ball point pen for writing / darkening the circles. 2.
- For each question, after selecting your answer, darken the appropriate circle 3. corresponding to the same question number on the OMR sheet.
- Darkening two circles for the same question makes the answer invalid. 4.
- Damaging/overwriting, using whiteners on the OMR sheets are strictly 5. prohibited.

1.	Limosphere means		
	a) Air	b) Water	A
	c) Micro-organisms 🧳	d) Rock and Soil.	0-
			The second second
2.	Effect of modern agriculture on soi	l is due to	
	a) Erosion	b) Acidification	
	c) Salinisation	d) All.	. /
3.	The study of interactions between	living organisms and env	rironment is called as
	a) Ecosystem	b) Ecology	
	c) Phytogeography	d) Phytosociology.	
		5 2	
4.	The environment which has been me		
40	a) Natural environment	b) Anthropogenic e	nvironment
	c) Urban environment	d) Modern environi	ment.

Which one is the correct food chain? 5.

c) Urban environment

- a) Phytoplankton  $\rightarrow$  zooplankton  $\rightarrow$  Fish
- b) Zooplankton → phytoplankton → Fish
- c) Grass  $\rightarrow$  Fish  $\rightarrow$  Zooplankton
- d) Zooplankton → protozoans → Fish

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6. In a aquatic ecosystem phytoplankton may be considered as a			
	a) Consumer	b) Producer	
	c) Saprotrophic organisms	d) Micro-consumer.	
7.	The basic requirements of human beings	- 48% 2/ -	
	a) Industrialization	b) Agriculture	
	c) Nature	d) Urbanization.	O-
			6.7
8.	E. I.A can be expanded as		
	a) Environmental and Industrial Act	b) Environmental and Im	_
	c) Environmental Impact Assessment	d) Environmentally Impo	ortant Activity.
Ober		C 34	
9.	The ground water depends on		
	a) Amount of rainfall	b) Run-off	
	c) Geological formations	d) All of the above.	
10	T1 11 11 11 11 11 11 11 11 11 11 11 11 1		
10.	Fluoride pollution mainly affects	1) D : 4	
	a) Kidney	b) Brain	
	c) Heart	d) Teeth	
11.	Mineral resources are		
11.	a) Renewable	b) Non-renewable	
	c) Available in plenty	d) Equally distributed.	
	c) Available in picity	d) Equally distributed.	
12.	Cow dung can be used		
	a) As manure	b) As Fuel	
	c) For production of biogas	d) All of the above.	Cy y
			A
13.	Which of the following is not a part of the	ne hydrological cycle?	w
	a) Precipitation	b) Infiltration	
	c) Transpiration	d) Perspiration.	
14.	Which of the following is not a natural n		
	a) Asbestos	b) Feldspar	
	c) Phosphate	d) Nitrogen	FREDRIKY
15	Wind anarous compression descends on	4	CMRIT LIBRARY BANGALORE - 560 037
15.	Wind energy generation depends on a) Humidity	b) Direction of wind	BANGALORE - 300
of the second	c) Velocity of wind	d) Precipitation.	
	c) velocity of which	by Frecipitation.	
16.	Among the following coal varieties, which is having highest calorific value?		
	a) Peat	b) Lignite	
	c) Anthracite	d) Bituminous	
	7,		
17.	Environmental pollution is due to		
	a) Rapid urbanization	b) Deforestation	
	c) Aforestation	d) Both a and b	

18.	The P <sup>H</sup> value of acid rain water is a) 5.7 c) 8.5	b) 7.0 d) 7.5
19.	Noise pollution limit in the industrial are a) 45dB c) 65dB	ea is b) 80dB d) 90dB
20.	Today the world's number one problem: <ul><li>a) Pollution</li><li>c) Nuclear proliferation</li></ul>	is b) Population explosion d) Natural calamities.
21.	Methaemoglobenimia is related to a) Cd c) NO <sub>3</sub>	b) Hg d) As
22.	The waste from bath rooms and kitchens a) Sullage c) Storm waste	are called as b) Domestic sewage d) Run-off
23.	A major nitrogen storage reservoir is a) River c) Oceans	b) Atmosphere d) Trees.
24.	Which of the following is not the environal Solid waste c) Air pollution	onmental effect of industrialization in general? b) Water pollution d) Economic growth.
25.	One litre of air is weighs around a) 0.3 c) 2.3	gms. b) 1.3 d) 3.3
26.	Due to its heaviness, gas is co a) N <sub>2</sub> O c) SO <sub>2</sub>	b) CO <sub>2</sub> d) H <sub>2</sub>
27.	Sources for natural air pollution is a) Volcanic eruption c) Natural organic and in-organic decay	b) Forest fires d) All of the above.
28.	Global warming could effect a) Climate c) Melting of glaciers	b) Rise in Sea level d) All of the above.  CMRIT LIBRAR  BANGALORS
29.	Nitrogen oxide and Hydrocarbons relea a) CO c) PAN	ased by automobiles interact to form  b) SO <sub>2</sub> d) Aerosols.
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30.	Ozone layer can be measured with the h a) ppb	b) ppm		
	c) DU	d) dB.		
31.	According to remote sensing a maximum hole is formed in the ozone layer over.			
	a) India	b) Antarctica		
	c) Europe	d) Africa.		
32.	E-waste means			
J	a) Electronic waste	b) Earth's waste		
	c) Both a and b	d) None.		
33.	Remote sensing means			
33.	a) Aquiring information about an object	t with touching		
	b) Aquiring information about an object			
	c) Both a and b			
	d) None.			
34.	EMR energy source which is required for	or remote sensing have been produced by		
	a) A sun	b) A moon		
	c) A star	d) A meteorite		
35.	GIS is a system of			
	a) Hardware	b) Software		
	c) Data	d) All of the above.		
36.	Environmental protection is the respons	ibilities of		
	a) Govt. of India	b) NGO's		
	c) Individual	d) All of the above.		
37.	In which of the following data and yes was held at Stockholm?	ar, the UN conference on "Human Environment"		
	a) 5 <sup>th</sup> June 1962	b) 5 <sup>th</sup> June 1972		
	c) 18 <sup>th</sup> Sept 1962	d) 18 <sup>th</sup> Sept 1972.		
20		A		
38.	The Water (Prevention and Control of Pa) 1944	b) 1954		
p.	c) 1964	d) 1974		
	WILLIAM DE LA COMPANIA	The same of the sa		
39.	Wild Life (Protection and Conservation) a) 1942	b) 1952 CMRIT LIBRAR' BANGALORE - 560 03		
	c) 1962	d) 1972		
	The state of the s	,		
40.	a) 1947	Board (KSPCB) was established in the year b) 1974		
	c) 1986	d) 1976.		
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