First/Second Semester B.E Degree Examination, Dec.2018/Jan.2019 **Environmental Studies** (COMMON TO ALL BRANCHES) [Max. Marks: 50 Time: 2 hrsulow INSTRUCTIONS TO THE CANDIDATES Answer all the fifty questions, each question carries ONE mark. 1. 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. Which of the following components of the environment are effective transporters of matter? 1. b) Atmosphere and Lithosphere a) Atmosphere and hydrosphere d) Biosphere and Lithosphere c) Hydrosphere and Lithosphere In an ecosystem, the flow of energy is 2. d) multidirectional c) unidirectional a) bidirectional b) cyclic Which pyramid is always upright 3. d) food chain b) biomass c) numbers a) energy The largest reservoir of nitrogen in our planet is 4. d) fossil fuels c) biosphere b) atmosphere a) oceans In aquatic ecosystem phytoplankton can be considered as a b) producer a) consumer d) macro consumer c) saprotrophic organism The basic requirements of human beings are provided by d) urbanization a) industrialization b) agriculture c) nature Abiotic component includes 7. d) all of these b) temperature c) water a) soil 'Earth day' is held every year on 8. b) November 23rd d) January 26th c) April 22nd a) June 5th

9.	Tajor purpose of most of the dams around the world is					
	a) power generationc) flood control		b) drinking water supplyd) irrigation			
	c) flood control					
10.	World environment da	ay is on	c) 18 th July	d) 16 th August		
	a) 5 th May	b) 5 th June	C) 10 July	d) 10 Tugust		
11.	Socio-economic secur	ity in environmental aspec	ets involves			
	a) Fairness and equity	in distribution costs for co	omplete existing generatio	n		
	b) Welfare of the pres	ent generation rational equity of resource	es	/		
	d) All of these					
12.	a) Man is not depend	g statements are true?	1			
	b) Resources are unl	imited, so one can use the	m lavishly			
	c) Energy can be co	onverted from one form t	o another, but some perc	entage is lost into the		
	environment d) Matter can be get	erated afresh. It need not	be recycled or reused.			
13.	Which of the following	ng is the most environment	tal friendly agriculture pra b) using insecticides	ctice?		
	a) using chemical fertc) organic farming	ilizer	d) none of these			
		CELL				
14.		ng is a key element of EIA	b) screening			
	a) scopingc) identifying and eva	luating alternatives	d) all of these			
			A O S			
15.	Effect of modern agri a) erosion	iculture on soil is due to b) acidification	c) salinization	d) all of these		
	<u> </u>		C 3 ^y	*		
16.		surface soil which contain	c) both 'a' and 'b'	d) none of these		
	a) organic matter	b) plant nutritients	c) both a and b	d) hone of these		
17.	Farmers have a tende	ncy to				
	a) use optimum quan	tity of water	b) to over irrigate their (d) all of these	crops		
	c) to conserve water		d) an or these			
18.	Environmental impac	et assessment				
	a) is a study of feas	ibility of a project	f the environment that ma	v result from a human		
	action	physical characteristics o	T the on thomas that the	.,		
	c) both 'a' and 'b'					
	d) none of these	· Bay				
19.	The depletion of tree	s is causing accumulation	of			
	a) NO ₂	b) SO ₂	c) CO ₂	d) O ₂		
20.	Permissible rang of r	oH for drinking water as po	er the Indian standards.			
20.	a) 6 to 9	b) 6.50 to 7.50	c) 6.0 to 8.50	d) 6.50 to 8.50		
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21.	During photosynthesis a) oxygen	s, trees produce b) carbon dioxide	c) nitrogen	d) carbon monoxide
22.	Excess fluorides in dr a) blue babies c) taste and odour	inking water is likely to ca	nuse b) fluorosis d) intestinal irritation	
23.	Percentage of nitroger a) 98%	n in Earth's atmosphere b) 12%	c) 21%	d) 78%
24.	Which of the following a) precipitation	g is not a part of the hydrob) infiltration	ological cycle? c) transpiration	d) perspiration
25.	The required iron con a) 300 mg/l	tent in drinking water as s b) 30 mg/l	pecified by BIS is c) 3 mg/k	d) 0.30 mg/l
26.	The most prevalent for a) landslide	orm of land degradation in b) soil subsidence	India c) soil erosion	d) desertification
27.	Solar energy is a a) renewable source c) mutable		b) exhaustible d) source of tidal energy	V
28.	Bhopal gas tragedy od a) methane	ccurred due to release of b) methyl isocyanate	c) sulphur dioxide	d) carbon dioxide
29.	For the growth and re a) $< 4mg/\ell$	production of fish a minin b) = 4 mg/l	num level of dissolved oxy c) 0.4 mg/L	ygen should be d) none of these
30.	Out of the following 1 a) nitrogen	nutrients in fertilizer, whic b) phosphorous	h one caused minimum wa c) potassium	ater pollution? d) organimatter
31.	The pH value of the a a) 5.7	cid rain water is b) 7.0	c) 8.5	d) 7.5
32.	The process of mover a) transpiration	ment of nutrients from the b) evapotranspiration	soil by the acid rain is c) leaching	d) infiltration
33.	Ozone layer thickness a) PPM	s is measured in b) PPB	c) Decibels	d) Dobson units
34.	The primary cause of a) CFC	the acid rain around the w b) SO ₂	vorld is c) CO	d) O ₃
35.	Ozone layer is presenta) troposphere c) mesosphere	CMRIT LIBRARY BANGALORE - 560 037	b) stratosphere d) thermosphere	
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36.	Acid rain has been incre	asing day by day due to	b) industrialization			
	a) urbanizationc) increase in vehicle po	opulation	d) none of these			
37.	Ozone hole was first discovered over					
37.) Antarctica	c) tropical region	d) Africa		
38.	Domesticated animals an	re used for				
	a) dairy products b) production of fibre c) production of meat d) all of these					
39.	Animal husbandry result	ts in	*			
	a) global warming b	e) acid rain	c) ozone depletion	d) none of these		
40.	Environmental (protection) Act was enacted in the year					
40.		b) 1992	c) 1984	d) 1974		
	<i>a)</i> 1700	act		,		
41.	Environmental protection	n is the responsibility of				
	a) Government of India		b) NGO's			
	c) Individual)	d) All of these			
42.	The first International E a) Johannesburg	arth Summit was held at b) Rio de Janeiro	c) Kyoto	d) Stockholm		
42	A :	lead in Clabal anying me	antal protection is			
43.	An important NGO invo	o) Green peace	c) WHO	d) CPCB		
	a) UNICEI) Green peace		d) or ob		
44.	India has the largest sha	re of which of the follow	ring?	Y		
		o) mica	c) copper	d) diamond		
4.5	W14 O dossio bois	as colaborad on				
45.	World Ozone day is being a) September 5 th	o) October 15 th	c) September 16 th	d) September 11 th		
	a) September 5) October 15	c) september 10	a) septement 11		
46.	CFCs have been used as					
	a) solvent		b) refrigerants			
	c) blowing agent for pol	ymer	d) all of these			
47.	Normal average thickne					
	a) 200 DU	o) 300 DU	c) 400 DU	d) 500 DU		
10	Freons are	CMRIT LIBRAI	RY			
48.		BANGALORE - 560 Q	³⁷ c) NFC	d) Hydro carbons		
	a) TH C	,,, 61 6)		
49.	Ozone layer absorbs					
	a) UV rays	o) infrared rays	c) cosmic rays	d) CO		
7 0	WIL: 1 C41 - C-11	in Ant of ill offers of ani-	Lucin?			
50.		is not an ill effect of acid	b) causes stone leprosy			
	a) results in killing fishc) leaches nutrients from	oil	d) causes stone reprosy			
	c) leaches nutrients from	# #	a, causes cataract			
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