17CIV18

Question Paper Version: A

USN

## First Semester B.E. Degree Examination, Dec.2017/Jan.2018 **Environmental Studies**

### (COMMON TO ALL BRANCHES)

Time: 2 hrs.]

[Max. Marks: 30

- Answer all the fifty questions, each question carries ONE mark.
- 2. Use only Black ball point pen for writing / darkening the circles.
- 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.
- Damaging/overwriting, using whiteners on the OMR sheets are strictly prohibited.

1.	Remote sensing tec	hnique deals with the	letection of recording of a se	lected portion of
	a) Emission spectr	um 🚫 🤾	b) Light spectrum	
	c) Photo spectrum		d) Electro-magnetic spe	ectrum
2.	RADAR stands for	C š		
	a) Radio & Distanc	e Ranging	b) Radio detection & R	anging
	c) Ranging & Detec	ction Arrangement	d) Radio detection Rec	0 0
3.	Which is not a com	monly using coding s	heme for images	
	a) JPEG	b) GIf	c) MP3	TIff
4.	DBMS stands for			P
	a) Database Manag	gement System	b) Database Monitoring	system
	c) Database Manui	acturing system	d) Database Mixing sta	tion
5.	GIS stands for			(d)
	a) Geostationary in	teract sector	b) Geographical inform	ation system
	c) Geotechnical int		d) Geothermal investig	
6.	Which State is havi	ng highest women lite	racy rate in India	
	a) Karnataka	b) Punjab		Kerala

/				
7.	In water treatment, alura) Softening	m is used for b) Coagulation	c) Filtration	d) Disinfection
8.	World Ozone day is be a) September 5 <sup>th</sup>	ing celebrated on b) October 15 <sup>th</sup>	c) September 11	th d) September 16 <sup>th</sup>
9.	Acid rain has been incr a) Urbanisation c) Increase in vehicle p		to b) Industrialization d) None of these	Z 1
10.	Reduction in brightness a) Global warming			on d) Afforestation
11.	Primary cause of Acida a) Carbon–di-oxide	rain around the World b) Sulphur-di-xide		xide d) Ozone
12.	Petroleum based vehicle a) CO & NO <sub>2</sub>	es emit tracer of b) SPM	c) Aldehydes	d) CH <sub>n</sub>
13.	Definition of Noise is a) Loud sound c) Constant sound		b) Unwanted sou d) Sound on high	
14.	Smog is a) A natural phenomen c) Colourless	on	b) Combination d) All the above	of smoke & fog
15.	The liquid waste from ka) Sullage	itchen and bathroom i b) Domestic sewage		d) Run off
16.	BOD means a) Bio chemical oxygen c) Bio – physical oxyge	demand	b) Chemical oxyg d) All the above	,
17.	Highest producer of oil a) Middle East countrie c) China	and petroleum is	b) America d) India	
18.	Nuclear waste is active a) 5 year	for b) 10 years	c) 50 years	d) Confirms
19.	Nuclear power plant in	Karnataka is located at		d) Centuries
20.	a) Bhadravathi	b) Sondur	c) Raichur	d) Kaiga
40.	Direct conversion of sol a) Solar photo voltaic s c) Solar thermal system	ystem	y b) Solar diesel hy d) Solar air heate	

1	L					
21.	India has the largest sh		llowi	ng		
	a) Manganese	b) Mica	c)	Copper	d)	Diamond
22.	Forests prevent soil ero	sion by binding soil	narticl	les in their		
	a) Stems	b) Roots		Leaves	d)	Buds
23.	Which of the following	is the most environment		£.: 11: 14		
45.	Which of the following a) using chemical ferti					practice
	c) organic farming	lizers		using insecticide	SS	1
	c) Organic lanning		u)	None of these	(A)	
24.	Mining means	3)		(E		
27.	a) To conserve minera	\\1c \\	b)	To check polluti		
	c) To extract minerals			None of these	JOH .	
	c) To extract innicials.	and ores	u)	None of these	4	
25.	Which of the following	is absorbed by green	nlant	to from otmoorh	NWO.	
45.	a) Carbon –di - oxide			Nutrients		All of the above
	a) Carbon —di - Oxide	U) Water	C)	Numents	u)	All of the above
26.	Which atmospheric sph	pere is closest to earth	curfo	08 (O).		
40.	a) Troposphere	b) Stratosphere		Mesosphere	4)	Exambana
	a) Troposphere	U) Suatosphere	6	Mesosphere	u)	Exosphere
27.	The largest reservoir of	Nitrogen in our blan	A fall	9)		
27.	a) Oceans	b) Atmosphere	13 16 1	Biosphere	4)	Fossil fuels
	a) Occaris	b) Authosphere	(2)	Biosphere	u)	rossii iucis
28.	In an Ecosystem, the fl	ow of energy is	00	```}		3
20.	a) Bidirectional	b) Cyclic	> 6	Unidirectional	4)	Multidirectional
	a) Branconona	o) Gyene	(0		u)	widitidifectional
29.	Which of the following	concentual spheres	of the	e environment is	hax	ing the least storage
	capacity for matter	5	01 1111		114	mg the least storage
	a) Atmosphere	b) Lithophere	c)	Hydrosphere	d)	Biosphere
			• )	5>	4)	Biospilere
30.	The term Environmen	t has been derived t	from 1	the French word	i	which means to
	encircle or surround.				2	The state of the s
	a) Environ	b) Oikes	c)	Geo	(b_	Aqua
				12	10	•
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	The same of the sa					
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	R					9/5
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Question Paper Version: D

USN

# First Semester B.E. Degree Examination, Dec.2017/Jan.2018 Environmental Studies

### (COMMON TO ALL BRANCHES)

Time: 2 hrs.]

[Max. Marks: 30

- 1. Answer all the fifty questions, each question carries **ONE mark**.
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- 5. Damaging/overwriting, using whiteners on the OMR sheets are strictly prohibited.

		the distance of	X (a)	
1.	India has the largest sha	are of which of the fo	llowing	
	a) Manganese	b) Mica	c) Copper	d) Diamond
		(6)		
2.	Forests prevent soil ero	sion by binding soil	particles in their	
	a) Stems	b) Roots	c) Leaves	d) Buds
		1000		
3.	Which of the following	is the most environn	nental friendly agric	ulture practice
	a) using chemical ferti	lizers	b) using insection	
	c) organic farming		d) None of these	
	(0)	5)	,	CA
4.	Mining means			
	a) To conserve minera	ls	b) To check poll	ution
	c) To extract minerals	and ores	d) None of these	
5.	Which of the following	is absorbed by green	plants from atmosp	ohere (69)
	a) Carbon -di - oxide		c) Nutrients	d) All of the above
		ŕ		
6.	Which atmospheric spl	ere is closest to earth	surface	
	a) Troposphere	b) Stratosphere	c) Mesosphere	d) Exosphere
		A	,	× (8)
7.	The largest reservoir of	Nitrogen in our plan	t is	
4	a) Oceans	b) Atmosphere	c) Biosphere	d) Fossil fuels

12	an and a second			
8.	In an Ecosystem, the flo	ow of energy is		
	a) Bidirectional	b) Cyclic	c) Unidirectional	d) Multidirectional
9.	Which of the following	conceptual spheres o	f the environment is	having the least storage
•	capacity for matter	5 composition of words o		
	a) Atmosphere	b) Lithophere	c) Hydrosphere	d) Biosphere
	a) Timosphere	o) Europhere	c) Try drosphere	d) Biosphare
10.	The term Environmen encircle or surround	t has been derived from	om the French wor	d which means to
	a) Environ	b) Oikes	c) Geo	d) Aqua
	a) Liviion	Orcs	(3	a) Aqua
11.	Remote sensing technic	que deals with the dete	ction of recording o	f a selected portion of
	a) Emission spectrum		b) Light spectrum	
	c) Photo spectrum		d) Electro magnet	
	,	Carried States		1
12.	RADAR stands for	×(~)	10,00	
	a) Radio & Distance Ra	anging	b) Radio detection	a & Ranging
	c) Ranging & Detection	n Arrangement	d) Radio detection	
			473	
13.	Which is not a common			
	a) JPEG	b) GIf	) MP3	d) TIff
	DD146 1 4 4			
14.	DBMS stands for			
	a) Database Managem	74	b) Database Moni	
	c) Database Manufact	uring system	d) Database Mixin	ng station
1.5	CIC stands for	Transmitted and the second	(9)2	
15.	GIS stands for		1-) (-22-1:-1:	G
	a) Geostationary intera		b) Geographical in	
	c) Geotechnical inform	nation society	d) Geothermal inv	estigation site
16.	Which State is having	highest women literacy	rate in India	
10.	a) Karnataka	b) Punjab	c) Rajasthan	d) Kerala
	a) Kamataka	U) Editjau	c) Kajasulai	d) Keraia
17.	In water treatment, alu	m is used for		5)
~	a) Softening	b) Coagulation	c) Filtration	d) Disinfection
	(0)		c) i illiation	Distinction .
18.	World Ozone day is be			
	a) September 5 <sup>th</sup>	b) October 15 <sup>th</sup>	c) September 11 <sup>th</sup>	d) September 16 <sup>th</sup>
	The state of the s			
19.	Acid rain has been inci	reasing day by day due		
	a) Urbanisation		b) Industrialization	1 (69)
	c) Increase in vehicle p	opulation	d) None of these	
20	B. 1	C.1 C	1 12 1	Y (E2)
20.	Reduction in brightnes			
	a) Global warming	b) Air pollution	c) Ozone depletion	n d) Afforestation
21	BALL STATE	main anarra 1 (1 XX7	ia dua t-	
21.	Primary cause of Acid			.1 1 0
4	a) Carbon—di-oxide	b) Sulphur-di-xide	c) Carbon-Monox	(ide d) Ozone

	and the second			
22.	Petroleum based vehicl	les emit tracer of		7
	a) CO & NO <sub>2</sub>	b) SPM	c) Aldehydes	d) CH <sub>n</sub>
			-)	
23.	Definition of Noise is			
	a) Loud sound		b) Unwanted sour	nd (3)
	c) Constant sound		d) Sound on high	frequency
				$\wedge$
24.	Smog is			
	a) A natural phenomer	ion	b) Combination of	f smoke & fog
	c) Colourless	<b>\</b>	d) All the above	
25	Tl1''1 (C1			10
25.	The liquid waste from			V
	a) Sullage	b) Domestic sewa	age c) Storm waste	d) Run off
26.	BOD means			
	a) Bio chemical oxyger	n demand	b) Chemical oxyg	en demand
	c) Bio – physical oxyge		d) All the above	en demand
	1 5 58	C.S.C.		
27.	Highest producer of oil		1 Com	
	a) Middle East countri	es 🗸	b) America	
	c) China	*U	d) India	
28.	Nuclear waste is active	£-	Q	
40.	a) 5 year	A.V.	V-8-50	1) ()
	a) 5 year	b) 10 years	e) 50 years	d) Centuries
29.	Nuclear power plant in	Karnataka is locata	ed at	
<b>M</b> / .	a) Bhadravathi	b) Sondur	c) Raichur	d) Kaiga
	a) Biladia valiii	o) Sondui	C) Raichta	u) Kaiga
30.	Direct conversion of so	lar energy is attaine	ed by	
	a) Solar photo voltaic		b) Solar diesel hy	brid system
	c) Solar thermal syster		d) Solar air heate	
				3
	(2)	3	`	)(O).
		2)		
	The state of the s			The second of
	Can make an analy	ab at a	* * *	
		* * :	ጥ ጥ ጥ	(72)

17CIV18

Question Paper Version: B

# First Semester B.E. Degree Examination, Dec.2017/Jan.2018 Environmental Studies

### (COMMON TO ALL BRANCHES)

Time: 2 hrs.]

[Max. Marks: 30

- 1. Answer all the fifty questions, each question carries **ONE mark**.
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			600	
1.	In water treatment, alu	im is used for	(G) <sup>2</sup> /	
	a) Softening	b) Coagulation	c) Filtration	d) Disinfection
2.	World Ozone day is b	eing celebrated on		
	a) September 5 <sup>th</sup>	b) October 15 <sup>th</sup>	c) September 11 <sup>th</sup>	d) September 16 <sup>th</sup>
3.		reasing day by day due		
	a) Urbanisation		b) Industrialization	
	c) Increase in vehicle	population	d) None of these	
4.	Reduction in brightness	ss of the famous Taj Ma	ahal is due to	
	a) Global warming	b) Air pollution	c) Ozone depletion	d) Afforestation
5.	Primary cause of Acid	rain around the World	is due to	
	a) Carbon—di-oxide	b) Sulphur-di-xide	c) Carbon-Monoxi	de d) Ozone
6.	Petroleum based vehic	eles emit tracer of		
	a) CO & NO <sub>2</sub>	b) SPM	c) Aldehydes	d) CH <sub>n</sub>
7.	Definition of Noise is			
	a) Loud sound		b) Unwanted sound	d
	c) Constant sound		d) Sound on high f	requency

_ ( =				
8.	Smog is a) A natural phenomenous Colourless	on	b) Combination of d) All the above	f smoke & fog
9.	The liquid waste from k a) Sullage	itchen and bathroom i b) Domestic sewage		d) Run off
10.	BOD means a) Bio chemical oxygen c) Bio – physical oxyge		b) Chemical oxyge d) All the above	en demand
11.	Highest producer of oil a) Middle East countrie c) China		b) America d) India	Y S
12.	Nuclear waste is active a) 5 year	for b) 10 years	c) 50 years	d) Centuries
13.	Nuclear power plant in a) Bhadravathi	Karnataka is located a b) Sondur	t C Raichur	d) Kaiga
14.	Direct conversion of so a) Solar photo voltaic s c) Solar thermal system	system	b) Solar diesel hy d) Solar air heater	
15.	India has the largest sha a) Manganese	are of which of the fol b) Mica	lowing c) Copper	d) Diamond
16.	Forests prevent soil ero a) Stems	sion by binding soil p b) Roots	articles in their c) Leaves	d) Buds
17.	Which of the following a) using chemical ferti c) organic farming		ental friendly agricu b) using insecticit d) None of these	lture practice
18.	Mining means a) To conserve minerals c) To extract minerals		b) To check pollud) None of these	ntion
19.	Which of the following a) Carbon –di – oxide		plants from atmospl c) Nutrients	here d) All of the above
20.	Which atmospheric spl a) Troposphere	here is closest to earth b) Stratosphere	surface c) Mesosphere	d) Exosphere
21.	The largest reservoir of a) Oceans	f Nitrogen in our plant b) Atmosphere	c) Biosphere	d) Fossil fuels

	4-3				1
22.	In an Ecosystem, the fl	ow of energy is			
	a) Bidirectional	b) Cyclic	c) Unidirecti	onal d) Multidirecti	onal
23.	Which of the following capacity for matter	g conceptual spher	es of the environm	nent is having the least	storage
	a) Atmosphere	b) Lithophere	c) Hydrosph	ere d) Biosphere	
24.	The term Environmen encircle or surround.		d from the French		neans to
	a) Environ	b) Oikes	c) Geo	d) Aqua	
25.	Remote sensing techni	que deals with the	detection of record	ing of a selected portion	on of
	a) Emission spectrum	<del>(</del> 20)	b) Light spec	ctrum	
	c) Photo spectrum		d) Electro m	agnetic spectrum	
26.	RADAR stands for		30	\$	
	a) Radio & Distance R	anging	b) Radio det	ection & Ranging	
	c) Ranging & Detectio	n Arrangement		ection Recorder	
27.	Which is not a commo	nly using coding so	heme for images		
	a) JPEG	b) GIf	c) MP3	d) TIff	
28.	DBMS stands for				
	a) Database Managem	ent System	(b) Database	Monitoring system	
	c) Database Manufact	uring system	d) Database	Mixing station	
29.	GIS stands for	(57.	\$ (G) <sup>2</sup>		
	a) Geostationary inter	act sector	b) Geograph	ical information syster	n
	c) Geotechnical inform		d) Geotherm	al investigation site	
30.	Which State is having	highest women lite	racy rate in India		
	a) Karnataka	b) Punjab	c) Rajasthan	d) Kerala	
				15/3	
		A STATE OF THE PARTY OF THE PAR		16.23	

17CIV18

Question Paper Version: C

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(COMMON TO ALL BRANCHES)

Time: 2 hrs.]

Max. Marks: 30

- 1. Answer all the fifty questions, each question carries ONE mark.
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			( - )	Ç/			
1.	Smog is			(	59		
	a) A natural phenomen	ion	~ /V	h)	Combination of	em	oke & for
	c) Colourless		221/2	d)	All the above	,	oke & log
		J. 1977	9	۵)			
2.	The liquid waste from l	citchen and	bathroom is	s ca	ılled S		
	a) Sullage	b) Dome	stic sewage	c)	Storm waste	d)	Run off
_	7.07				Lawrence of the second	3	
3.	BOD means				2	173	
	a) Bio chemical oxyger			b)	Chemical oxyge	n de	mand
	c) Bio – physical oxyge	demand		d)	All the above		
4	Highest and does of					pr.	
4.	Highest producer of oil		eum 1s			1.	The second secon
	a) Middle East countrie	es			America		1 many
	c) China			d)	India		$\mathcal{A}(\mathcal{O})_{-}$
5.	Nuclear waste is active	for					(39)
	a) 5 year	b) 10 year	nea.	۵)	50	-15	
	a) 5 year-	0) 10 yea	11 S	c)	50 years	d)	Centuries
6.	Nuclear power plant in	Karnataka	is located at				(652)
	a) Bhadravathi	b) Sondu			Dojalava	11	77 .
	an Shaaravaan	o) Sondu	1	()	Raichur	a)	Kaiga 🔍
1-							Anna Anna Anna Anna Anna Anna Anna Anna

4.4-				6/2/
7.	Direct conversion of solar energy is attained b			(a)a (a)
	a) Solar photo voltaic system	b)	Solar diesel hyb	rid system
	c) Solar thermal system	d)	Solar air heater	
				(G) X (Q)
8.	India has the largest share of which of the foll	owi	ng	
	a) Manganese b) Mica		Copper	d) Diamond
		150	î î	
9.	Forests prevent soil erosion by binding soil pa	artic	les in their	
	a) Stems b) Roots	c)	Leaves	d) Buds
	(3/18)		_(<	
10.	Which of the following is the most environme	ental	I friendly agricult	ure practice
	a) using chemical fertilizers	b)	using insecticide	s
	c) organic farming	d)	None of these	
			, Selv	
11.	Mining means		The same of the sa	
	a) To conserve minerals	b)	To check polluti	ion
	c) To extract minerals and ores	d)	None of these	
12.	Which of the following is absorbed by green p	olan	ts from atmosphe	ere
	a) Carbon –di - oxide b) Water	(c)	Nutrients	d) All of the above
		77	J	
13.	Which atmospheric sphere is closest to earth s	surfa	ace	
	a) Troposphere b) Stratosphere	c)	Mesosphere	d) Exosphere
	The state of the s		$\exists \Diamond$	
14.	The largest reservoir of Nitrogen in our plant			
	a) Oceans b) Atmosphere	c)	Biosphere	d) Fossil fuels
	A)		Y/30	
15.	In an Ecosystem, the flow of energy is			
	a) Bidirectional b) Cyclic	c)	Unidirectional	d) Multidirectional
16.	Which of the following conceptual spheres o	f th	e environment is	having the least storage
	capacity for matter		L'in	
	a) Atmosphere b) Lithophere	c)	Hydrosphere V	d) Biosphere
17.	The term Environment has been derived from	om	the French word	d which means to
	encircle or surround.		*	The second secon
	a) Environ b) Oikes	c)	Geo	d) Aqua
1.0				And
18.	Remote sensing technique deals with the dete			a selected portion of
	a) Emission spectrum		Light spectrum	\$ (65)
	c) Photo spectrum	d)	Electro magneti	c spectrum
19.	RADAR stands for			
I.Z.	a) Radio & Distance Ranging	h	Padio detection	& Donaina
	c) Ranging & Detection Arrangement		Radio detection Radio detection	9 9
96	Changing & Detection Attaingement	u,	nauto detection	Veccoldel

20.	Which is not a commo	nly using coding sch	eme for images		
	a) JPEG	b) GIf	c) MP3	d) TIff	(G)Z
21.	DBMS stands for				9
	a) Database Managen		,	onitoring system	
	c) Database Manufact	turing system	d) Database M	ixing station	1
22.	GIS stands for				
	a) Geostationary inter		,	al information sy	
	c) Geotechnical information	nation society	d) Geothermal	investigation sit	e
23.	Which State is having		-		
	a) Karnataka	(b) Punjab	c) Rajasthan	d) Kerala	,
24.	In water treatment, alu	im is used for	(1)	V)	
	a) Softening	b) Coagulation	c) Filtration	d) Disinfe	ction
	,		8-1	*	
25.	World Ozone day is be		(20)	1th 1) C	ı ı cth
	a) September 5 <sup>th</sup>	b) October 15th	c) September 1	1 <sup>th</sup> d) Septem	ber 16 <sup>m</sup>
26.	Acid rain has been inc	reasing day by day d	ue to		
	a) Urbanisation	VAL.	b) Industrializa	tion	
	c) Increase in vehicle	population	d) None of thes		
		C.1 C TOO'S	a di accioni		
27.	Reduction in brightnes			tion d) Afforma	tation
	a) Global warming	b) Air pollution	© Ozone deple	tion a) Affores	tation
28.	Primary cause of Acid	rain around the Wor	ld is due to		
	a) Carbon-di-oxide		de c) Carbon-Mo	noxide d) Ozone	2
			(9)5		
29.	Petroleum based vehic	m \ to the first the second of		7	
	a) CO & NO <sub>2</sub>	b) SPM	c) Aldehydes	S) d) CH <sub>n</sub>	
* 0	2011	The state of the s	12		
30.	Definition of Noise is		la) I I myyramtad a	The same of the sa	
	a) Loud sound		b) Unwanted s	21 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	c) Constant sound	(m)	d) Sound on h	ign nequency	
	The same of the sa	>			
				Control of the contro	