

2023/TDC(CBCS)/EVEN/SEM/ EVSAECC-201T/392

TDC (CBCS) Even Semester Exam., 2023

FOUNDATION COURSE

(For Arts Students)

(2nd Semester)

Course No. : EVSAECC-201T

(Environmental Studies)

Full Marks :: 150 A

Pass Marks: 20

Time: 3 hours

The figures in the margin indicate full marks for the questions

SECTION—A

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Choose the correct answer (any fifteen): 1×15=15

- 1. The term 'ecosystem' was proposed by
 - (a) F. P. Odum
 - (b) Ernst Haeckel
 - (c) A. G. Tansley
 - (d) G. F. Morozov

(Turn Over)

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2.	The	energy	flow	in	an	ecosystem	is	always
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- (a) cyclic
- (b) unidirectional
- (c) None of the above
- (d) Both (a) and (b)

3. The concept of biosphere was first coined by

- (a) Eduard Suess
- (b) V. Vernadsky
- (c) A. G. Tansley
- (d) F. P. Odum

4. The pyramid of energy in an ecosystem is

- (a) wholly inverted
- (b) always upright
- (c) partly inverted
- (d) None of the above

5. Solar energy is what type of natural resource?

- (a) Exhaustible
- (b) Non-renewable
- (c) Inexhaustible
- (d) Abundant

- 6. What percentage (%) of water is saline water out of total water available in the earth?
 - (a) 15%
 - (b) 3%
 - (c) 97%
 - (d) 90%

7. Bauxite is the main ore of

- (a) calcium
- (6) carbon
- (c) aluminium
- (d) iron of the characterist trails shows the sections

8. In Assam, shifting cultivation is practised in

- (a) Golaghat and Goalpara districts
- (b) Jorhat and Dibrugarh districts
- (c) Karbi Anglong and Dima Hasao districts

Aframara disease is caused by the pollution

(d) All of the above

9. Kaziranga of Assam is a

- (a) Sanctuary
- (b) Biosphere Reserve
- (c) National Park
- (d) Reserve Forest

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Lant	ana camara is a/s			0.
(a)	indigenous specie	5		
(b)	invasive species	(6.72)		
(c)	rare species		(4)	
(d)	endemic species		€.	
	_		$G(\mathcal{G})$	
		llife Sanctuary loc	ated	
(a)	Nameri	TREET S. J. R. O. T.	.e8	
(b)	Orang	alctum	(2)	
(c)	Garampani	n idte.	10	
(d)	Borail	muiamalo	10,	
• •			12.	
	-			-
(a)	Dionaea muscipu	la		8
(b)	Drosera capensis			
(c)	Nepenthes khasi	ana		
(d)	ab L. Smb. b	Karbi Anglong an	157	
()	5	til of the above	(13)	
Min of				6
(a)	cadmium		•	
(b)	mercury			
(c)	arsenic			
(d)	lead			
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	(a) (b) (c) (d) The in S (a) (b) (c) (d) One Meg (a) (b) (c) (d) Min of (a) (b) (c)	(a) indigenous species (b) invasive species (c) rare species (d) endemic species The name of the Wild in South Assam is (a) Nameri (b) Orang (c) Garampani (d) Borail One insectivorous pla Meghalaya is (a) Dionaea muscipu (b) Drosera capensis (c) Nepenthes khasia (d) Darlingtonia calif Minamata disease is of (a) cadmium (b) mercury (c) arsenic	(a) indigenous species (b) invasive species (c) rare species (d) endemic species The name of the Wildlife Sanctuary location South Assam is (a) Nameri (b) Orang (c) Garampani (d) Borail One insectivorous plant that is endem Meghalaya is (a) Dionaea muscipula (b) Drosera capensis (c) Nepenthes khasiana (d) Darlingtonia californica Minamata disease is caused by the pollutof (a) cadmium (b) mercury (c) arsenic (d) lead	(a) indigenous species (b) invasive species (c) rare species (d) endemic species The name of the Wildlife Sanctuary located in South Assam is (a) Nameri (b) Orang (c) Garampani (d) Borail One insectivorous plant that is endemic to Meghalaya is (a) Dionaea muscipula (b) Drosera capensis (c) Nepenthes khasiana (d) Darlingtonia californica Minamata disease is caused by the pollution of (a) cadmium (b) mercury (c) arsenic

14.	The the	Forest Cor	nservation	Act wa	s pass		.81
	(a)	1988			978		
r	(b)	1981			1973		
	(c)	1980			5801	(3)	
	_(d)	1986			odre	1911	
ď							
15.	A s	econdary po	ollutant is	onovit la	runaM. soi	rben	61
	(a)	СО		A PUG	t:3979	170	
-	(b)	CO ₂	g cher				
	(c),	DAN	- front				
	(d)	Aerosol	1,00011	and man	122.0		
16.	Eut	rophication	is found	in _{dç. "}	meis		.00
	(a)	saline soil			ns	C - CTE	
	(b)	mountain		* 76	963		
	(c)	agricultura	al land	14	(5)(5)	1	
	(d)	lake		, nake	eutt o.	. ,	
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17.		_ is a wate		sease.			
01-3	(a)	Tuberculos	sis : add	etie	ni vn) jew	211
	(b)	Typhoid					
	(c)	AIDS	bc to a	Maria e	S INC.	1921 .	10
	(d)	Hypothyro	idism 🦪 n	usom, uk	ob .		22
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- 18. 'Save Silent Valley Movement' was started in the year
 - (a) 1978
 - 1973
 - 1968
 - (d) 1950
- 19. The Montreal Protocol was made in order to reduce
 - greenhouse gases
 - ozone-depleting chemicals
 - suspended particulate matter (SPM)
 - dust
- 20. A seismograph is used to measure the intensity of
 - (a) sea wave
 - (b) cyclone
 - earthquake
 - wind

SECTION-B

Answer any five questions:

- 31. Give two examples of food chain.
- 22. What do you mean by ecology?

- 23. Write two causes of deforestation.
- 24. Define renewable resources with examples.
- 25. Define the term 'biodiversity'.
- 26. Define in-situ conservation of biodiversity with suitable example.
- 27. What is sustainable development?
- 28. Define secondary pollutants with examples.
- 29. What was the main aim of the Chipko Movement?
- 30. Write the full forms of DGSM and KSSP.

SECTION-C

Answer any five questions:

5×5=25

- 31. Write notes on food chain and food web with 21/2+21/2=5 suitable examples.
 - 32. Illustrate the nitrogen cycle with a diagram. 5
 - 33. Define natural resources. Discuss different types of natural resources with examples.

2+3=5

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(Turn Over)

	What is shifting cultivation? How does it affect forest ecosystem? 2+3=	5
35.	Differentiate between National Park and Wildlife Sanctuary.	
36.	What is biodiversity hotspot? Mention the biodiversity hotspots found in India. 2+3=	5 5
37.	What is ozone layer depletion? What are the impacts of ozone depletion on the environment and human health? 2+3=	
38.	Define heavy metal pollution. Write a note on the Minamata disaster.	₹ 5
39	Write a note on the Silent Valley Movement.	5
40.	What is meant by disaster management? Discuss briefly about the importance of disaster management in India. 2+3=	
(_	Discuss briefly about the importance of disaster management in India. 2+3=	Ar
	Discuss briefly about the importance of disaster management in India. 2+3=	A1