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CET (PG) - 2017 Booklet Series Code : A

Important: Please consult your Admit Card / Roll No. Slip before filling your Roll Number on the Test Booklet and Answer Sheet.

	(In Figures)	(In Words)
Roll No. :		
O.M.R. Answer	Sheet Serial No. :	
Signature of the	The State of the S	

Subject : IVI.Sc. (Environment Science)

Time: 90 Minutes) [Maximum Marks: 75

No. of Questions: 75] [Total No. of Printed Pages: 16

DO NOT OPEN THE SEAL ON THE BOOKLET UNTIL ASKED TO DO SO

INSTRUCTIONS:

- Write your Roll No. on the Question Booklet and also on the OMR Answer Sheet in the space provided and
- 2. Enter the Subject and Series Code of Question Booklet on the OMR Answer Sheet. Darken the corresponding bubbles with Black Ball Point/Black Gel Pen.
- 3. Do not make any identification mark on the Answer Sheet or Question Booklet.
- 4. To open the Question Booklet remove the paper seal gently when asked to do so.
- 5 Please check that this Question Booklet contains 75 questions. In case of any discrepancy, inform the Assistant Superintendent within 10 minutes of the start of test.
- Б. Each question has four alternative answers (A, B, C, D) of which only one is correct. For each question, darken only one bubble (A or B or C or D), whichever you think is the correct answer, on the Answer Sheet with Black Ball Point/Black Gel Pen.
- If you do not want to answer a question, leave all the bubbles corresponding to that question blank in the Answer Sheet. No marks will be deducted in such cases.
- Darken the bubbles in the OMR Answer Sheet according to the Serial No. of the questions given in the Question 8 Booklet.
- Negative marking will be adopted for evaluation i.e., 1/4th of the marks of the question will be deducted for each wrong answer. A wrong answer means incorrect answer or wrong filling of bubble.
- 10. For calculations, use of simple log tables is permitted. Borrowing of log tables and any other material is not
- 11. For rough work only the sheets marked "Rough Work" at the end of the Question Booklet be used.
- The Answer Sheet is designed for computer evaluation. Therefore, if you do not follow the instructions given on the Answer Sheet, it may make evaluation by the computer difficult. Any resultant loss to the candidate on the above account, i.e., not following the instructions completely, shall be of the candidate only.
- After the test, hand over the Question Booklet and the Answer Sheet to the Assistant Superintendent on duty.
- In no case the Answer Sheet, the Question Booklet, or its part or any material copied/noted from this Booklet. is to be taken out of the examination hall. Any candidate found doing so, would be expelled from the examination.
- A candidate who creates disturbance of any kind or changes his/her seat or is found in possession of any paper possibly of any assistance or found giving or receiving assistance or found using any other unfair means during the examination will be expelled from the examination by the Centre Superintendent/Observer whose decision shall be final.
- 16. Telecommunication equipment such as pager, cellular phone, wireless, scanner, etc., is not permitted inside the examination hall. Use of calculator is not allowed.

A-Set

A-	Set		page-3	D-2					
	(C)	Pinus roxburghii	(D)	Cedrus deodara					
	(A)	Abies pindrow	(B)	Ginkgo biloba					
7.	Whi	ch of the following is regarde	ed as livin	g fossil ?					
	(C)	Ginkgo biloba	(D)	Cedrus deodara					
	(A)	Pinus gerardiana	(B)	Cycas revoluta					
6.	Chi	lgoza is obtained from which							
	(C)	Marchantia	(D)	Anthoceros					
	(A)	Funaria	(B)	Riccia					
5.	Whi	ch of the following is commo	only know	n as hornwort ?					
	(C)	Pteris vittata	(D)	Salvinia molesta					
	(A)	Selaginella lepidophylla	(B)	Equisetum debile					
4.	Whi	ch of the following is known	as Resur	rection plant ?					
	(C)	Saccharomyces cerevisiae	(D)	Candida albicans					
	(A)	Saccharomyces uvarum	(B)	Saccharomyces bayanus					
3.	Whi	ch of the following is commo	only know	n as Baker's Yeast ?					
	(C)	Streptomyces	(D)	Geosmin					
	(A)	Yeast	(B)	Actinomyces					
2.	Whi	Which of the following is not related to pleasant earth odour after the							
	(C)	Ulothix	(D)	Volvox					
	(A)	Chlamydomonas	(B)	Spirogyra					
1.	The	chloroplast is ribbon shape	d in :						

D-	23		page-4	A-Set
	(C)	South Korea	(D)	Afghanistan
	(A)	Sweden	(B)	Thailand
14.	Lak	es in which of the following co	ountries	are severely affected by acid rain?
	(C)	Norway	(D)	Antarctica
	(A)	Netherlands	(B)	England
13.		ich of the following lacks wetla		Control (Control of Control of Co
	(C)	Alexander von Humboldt	(D)	Eugene Odum
	(A)	Arthur Tansley	(B)	Ernst Haeckel
12.		o among the following coined		
	(C)	Sepals	(D)	Petals
	(A)	Anthers and filaments	(B)	Style and Stigma
11.	Saf	fron is obtained from which pa	art of the	flower?
	(C)	Megasporophyll	(D)	Megasporangium
	(A)	Embryo sac	(B)	Megaspore
10.	Bot	anically, Ovule is equivalent to	o: \	
	(C)	Tagetes erecta	(D)	Ficus infectoria
	(A)	Vinca rosea	(B)	Mangifera indica
9.	Whi	ich of the following plants yiel	ds drug 1	for the treatment of cancer?
	(C)	Fabaceae	(D)	Solanaceae
	(A)	Gramineae	(B)	Poaceae
8.	Gra	m belongs to which of the follo	owing pa	Int families ?

A-	Set		page	e-5			D-23
	(C)	Punjab	E 101	(D)	Rajasthan	conta mo	10
	(A)	Haryana		(B)	Jharkhand		
20.	Whi	ch Indian state does not	have any	/ Nat	ional Park ?		
	(C)	4		(D)	3		
	(A)			(B)			
19.		pical Biosphere reserve	has how		Townson State of the Part of t		
	(C)	Periyar		(D)	Bharatpur		
	(A)	Corbett		(B)	Rajaji		
18.		ch of the following does	not relat		Division of property		
	(C)	1976		(D)	1977		
	(A)	1974	millon	(B)	1975		
	yea	r:					
17.	The	water (Prevention and C	ontrol of	Poll	ution) Act of India	was enact	ed in the
	(D)	John Harper					
	(C)	Alexander von Humboldt					
	(B)	Edward Wilson					
	(A)	Norman Myers					
16.		concept of Biodiversity	Hotspot	s wa:	s given by ;		
	(C)	New York		(D)	Rio de Janeiro		
	(A)	Stockholm		(B)	Cancun		
15.	the tall	th Summit 2012 was held					

21.	The	non-photosynthe	etic dark zo	ne in	a por	nd ecosystem is known as Zo	ne.
	(A)	Photic			(B)	Autotrophic	
	(C)	Profundal			(D)	Pelagic	
22.	CIT	ES refers to :					
	(A)	Council of Interna	ational Trad	e in E	ndan	gered Species of Wild Fauna and Fl	lora
	(B)	Convention on In	dian Trade	in End	dange	ered Species of Wild Fauna and Flo	ra
	(C)	Convention on In Flora	ternational	Trade	in E	ndangered Species of Wild Fauna	and
	(D)	Convention on In	ternational	Treaty	in E	ndangered Species of Wild Fauna	and
		Flora					
23.	Whi	ich of the followin	g is a seco	ndary	poll	utant ?	
	(A)	SO ₂			(B)	PAN	
	(C)	VOC			(D)	CO ₂	
24.	Whi	ich of the followin	g is the old	lest n	ation	al park in India ?	
	(A)	Jim Corbett Natio	nal Park		(B)	Valley of Flowers National Park	
	(C)	Bandipur Nationa	al Park		(D)	Sundarbans National Park	
25.	Whi	ich amongst the f	ollowing is	not a	crite	ria pollutant ?	
		CO2			(B)	O ₃	
	(C)	Pb			(D)	Particulate Matter	
26.	Eve	ry year, World We	etlands Day	is ce	lebra	ated on :	23
	(A)	22 nd April			(B)	2 nd February	
	(C)	21 st March			(D)	22 nd May	

D-23

A-SA-

e A-	-Set		page-7		D-23
	(C)	Andesite	(D)	Basalt	
	(A)	Rhyolite	(B)	Dacite	
		itent ?			
33.	Wh	ich amongst the follow	ving volcanic r	ock types has	the maximum silica
	(C)	Paper	(D)	Steel	
	(A)	Leather	(B)	Fertilizer	
32.	Toward I	e sludge is released by			les ?
	1		blab afaba fa	Marria a la drestel	lan 2
	(C)	Wheat straw	(D)	Polythene	
	(A)	Paper	(B)	Rice husk	
31.	Wh	ich of the following pro	duce dioxins u	oon burning ?	
	(C)	Veldts	(D)	Everglades	
	(A)	Pampas	(B)	Savannahs	
30.	Gra	sslands with scattered	trees are know	n as:	
	(0)		,,		
	240.00	Gobi	9.54	Antarctica	
		Aravali		Sahara	
29.	Wh	ich of the following is th	ne largest deser	1?	
	(C)	Critically Endangered	(D)	Endangered	
	(A)	Data Deficient	(B)	Vulnerable	
28.	The	Great Indian Bustard fa	lls in	Category as per	IUCN risk categories.
	(C)	Petrol	(D)	Tidal power	
	(A)	Natural gas	(B)	Coal	
27.	Wh	ich amongst the follwo			gy resource ?
07	1000	ish amonast the fallows	las la a san car	wentleant energy	NU FORGUESO D

D-	23		pas	ge-8		A-Sel
	(C)	Sulphites		(D)	Benzoates	
	(A)	Acrylamide		(B)	Sorbic acid	
					after prolonged use ?	
	(C)	Salmonella typhi		(D)	rersina pesus	
	(A)			14-14	Yersina pestis	
39.	0.000	gue is caused by : Vibrio Cholerae		(B)	Plasmodium vivax	
20	Die					
	(C)	Stockholm Summit		(D)	Vienna Convention	
	(A)	UNFCCC	A (17)	(B)	Montreal Protocol	
	a nu	umber of substances b	elieved to	be re	sponsible for ozone depleti	on is:
38.	The	treaty designed to pro	tect the oz	one la	eyer by phasing out the proc	luction o
	(C)	Stockholm .		(D)	New York	
	(A)	Montreal		(B)	Nairobi	
37.	Ozo	one secretariat is locate	ed at:			
	(C)	FAO		(D)	Conservartion International	
	(A)	UNDP		(B)	Brundtland commission	
36.	The	concept of sustainabl	e develop	ment	relates to :	
	(C)	Synthetic		(D)	Photoblastic	
	(A)	Recalcitrant		(B)	Orthodox	
35.	See	ds that can be easily ste	ored at roo	m tem	perature are known as	seeds
	(C)	Na and K		(D)	S	
	(A)	P and N		(B)	Ca and K	
34.	Gut	anos are rich source o	f:			
	1004555		# 10 T			

D-23

A-	Set		page-9	D-	-23
	(C)	Baking soda	(D)	Gelatin	
	(A)	Lactase		Glycerin	
47.	Wh	ich of the following is a hume	ectant?		
	(6)	Ozone	(0)	010-12	
	Sin		The same	CFC-12	
46.		ALTHOUGH THE STREET WAS A STREE	is contrib	utes maximum to global warming	?
	1-1		(II)		
	(C)	400	(D)	425	
		350	(B)	375	
45.	The	current levels of CO ₂ in the a	itmospher	re is approx ppm.	
	(C)	Acrylamide	(D)	Monosodium Glutamate	
	(A)	Sucralose	(B)	Butylated hydroxyanisole	
44.	Wh	ich of the following is an anti-	oxidant?		
	(C)	Monosodium Glutamate	(D)	Sodium benzoate	
	(A)	Erythorbates	(B)	Sucralose Sadium hanzanta	
43.		ich of the following is a prese		Cuaralana	
40	Wile	lab of the following is a process	mustive 2		
	(C)	Neem oil	(D)	Mustard oil	
	(A)	Pollens	(B)	Shell fish	
42.	Whi	ich of the following is commo	on allerge	n of foods?	
	(C)	Sunset Yellow 3	(D)	Aspartame	
	(A)	Sodium benzoate	(B)	Monosodium Glutamate	
41.	17.75	Commission of the Commission o			
41.	Whi	ich of the following is a natur	al flavour	enhancer?	

(C)	Mollusca	(D)	Porifera
0.000	R. R. a. H. Connection	(D)	
(A)	Cnidaria	(B)	Annelida
		op true nerv	ous system belongs to which of the
The	first invertabrate to deve	lon true	
(C)	Both skin and lungs	(D)	Neither skin nor lungs
(A)	Skin	(B)	Lungs
Amp	phibians respire through:	alugi with a	
(C)	Mitochondria	(D)	Chloroplast
(A)	Nucleus	(B)	Endoplasmic Reticulum
		o-cellular or	ganelle is not bound by a doubl
(C)	DNA-Polymerase	(D)	All of these
		(B)	Helicase
DNA	A molecule ?		
7000		No.	
		0.00	Erythrocytes
			Chondrocytes
(C)	Neuro hormones	(D)	Growth hormones
(A)	Stress hormones	(B)	Gonadotropic hormones
FSI	Hand LH hormones toget	her are calle	d as:
(C)	Peripatus	(D)	Protopterus
(A)	Neopilina	(B)	Chimaera
and	bony fishes?		
	(A) (C) FSH (A) (C) Nor and (A) (C) Whith DN (A) (C) Whith mer (A) (C) Amp (A) (C) The follow	(A) Neopilina (C) Peripatus FSH and LH hormones toget (A) Stress hormones (C) Neuro hormones Non-neuronal cells that provid and peripheral nervous syste (A) Glial cells (C) Epithelial cells Which one of the following e DNA molecule? (A) Topoisomerase (C) DNA-Polymerase Which of the following submembrane? (A) Nucleus (C) Mitochondria Amphibians respire through: (A) Skin (C) Both skin and lungs The first invertebrate to dever following phyla?	(A) Neopilina (B) (C) Peripatus (D) FSH and LH hormones together are called (A) Stress hormones (B) (C) Neuro hormones (D) Non-neuronal cells that provide support an and peripheral nervous systems are known (A) Glial cells (B) (C) Epithelial cells (D) Which one of the following enzymes is in DNA molecule? (A) Topoisomerase (B) (C) DNA-Polymerase (D) Which of the following sub-cellular or membrane? (A) Nucleus (B) (C) Mitochondria (D) Amphibians respire through: (A) Skin (B) (C) Both skin and lungs (D) The first invertebrate to develop true nervical following phyla?

A-	Set		page-11	N.	D-23
	(C)	1986	(D)) 1987	
	(A)	1984	(B)) 1985	
		ars?			
60.	Env	vironment (Protection) Ac	t of India w	as enacted in which of the fo	llowing
	(D)	Zoological parks			
	(C)	Seed banks		of the set of Maryland and Person I	
		Botanical gardens			
	(A)	Biosphere reserves			
59.		ich of the following is a m	etnod of in s	situ conservation i	
		vallenin pre-se sa villniši	ath a d of in a	ity concentation ?	
	(D)	In-vivo fertilization			
	(C)	Tubectomy			
	(B)	In-vitro fertilization			
	(A)	Vasectomy			
58.	Sur	gical method/Sterilization	in males to	control population is known a	s:
	200	and the substantial substantial			
	(D)	Apiculture			
	(C)	Silviculture			
	(A) (B)	Horticulture			
7.		Pisciculture	o keeping is		
7	The	commercial method of be	e keening is	s known as :	
	(C)	Calcium	(D)	Vitamin B Complex	
	(A)	Vitamin A	(B)		
6.	Scu	rvy disease is due to the o	deficiency of	f:	
	(C)	Termites	(D)	Cockroach	
	(A)	Grasshoppers	11000	Moth	
				2/17/02/7	

61.	In a	in unpaired samp	le t-test with sample	sizes n1 = 15 and n2	2 = 15, the value of			
	tab	ulated t should be	e obtained for how n	any degrees of free	dom ?			
	(A)	28	(B)	29				
	(C)	30	(D)	31				
62.	Bio	logical oxygen de	emand is a measure	of which of the follo	wing ?			
	(A)	Total living matte	r present in water					
	(B)	Total nutrient cor	ntent present in water					
	(C)	Organic matter p	resent in water					
	(D)	Total gaseous co	ntent present in water					
63.	Wha	What is the approximate percentage of scores that fall within the two standard						
	deviations of the mean in a normally distributed data?							
	(A)	34%	(B)	68%				
	(C)	95%	(D)	99%				
64.	When a dice is thrown once, what is the probability of getting number 4:							
	(A)	33.3%	(B)	50%				
	(C)	16.3%	(D)	66.6%				
65.	If all	possible sample	s of size n are taken f	rom a large populati	on with a mean of			
	30 a	ind standard dev	iation of 6, then the	standard error of n	neans equals 2.0			
	only	for samples of s	ize:					
	(A)	2	(B)	4				
	(C)	7	(D)	9				
D-	23				A Sat			

A-	Set			pag	e-13			D-23				
	(C)	H ₂ O	di	-	(D)	02						
	(A)	CH ₄			(B)	NH ₃						
70.	The primitive atmosphere of earth was devoid of :											
	(C)	1.00			(D)	0.40						
	(A)	0.80			(B)	0.20						
	pro	probability of getting blue coloured marble ?										
69.	There are 5 marbles in a bag, 4 are blue and 1 is red coloured. What is the											
	(C)	June 5			(D)	September 16						
	(A)	March 22			(B)	April 22						
68.	World Environment Day is celebrated every year on :											
	(D)	One-horned Rhino										
	(C)	Wild Bear										
	(B)	Giant Panda										
	(A)	Asiatic Lion										
67.	Kaziranga National Park is famous for which of the following animals?											
	(C)	Correlation			(D)	t-test						
	(A)	ANOVA			(B)	Chi-square test						

66. Which of the following statistical tests is non-parametric?

D	23			22.0	e-14		A-Set		
	(C)	+4			(D)	+6	Yet in		
	(A)	+2			(B)	+3			
75.	The	The oxidation number for carbon in CaC ₂ O ₄ is :							
	(C)	17.6 L			(D)	8.8 L			
	(A)	0.88 L			(B)	1.76 L			
74.	How much amount of 6.8 M HCl must be added to water to get 3 L of 2M HCl?								
	(C)	HNO ₂			(D)	N ₂ O ₃			
		NO ₂			(B)	NO.			
73.		ich compound	gives photo	chemi			ish color ?		
	(C)	Na			(D)	Ca			
	(A)	Cu			(B)	Al			
72.	Which amongst the following is the most abundant metal in the earth's crust?								
	(D)	March 22							
	(C)	April 22							
	(B)	May 22							
	(A)	June 22							
71.	Wor	rld Water Day is	s celebrated	every	year	on:			

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