Environmental Science - 2010

M.Sc. Environmental Science

				Iva.oc.			
1.	It appear	rs that Laplace's nebular hypoth	esis is jus	t the modified version of:			
	(a)	Chamberlin's hypothesis	(b)	James Jeans Hypothesis			
	(c)	Russell's hypothesis	(d)	None of these			
2.	Which ty	ype of soil is ideal for growing o	cotton?				
	(a)	Alluvial soil	(b)	Red soil			
	(c)	Laterite soil	(d)	Regursoil			
3.	In which	fashion wind moves soil partic	les having	size 0.1-0.5mm?			
	(a)	Hopping	(b)	Rolling			
	(c)	Both (a) & (b)	(d)	None of these			
4.	Which t	ype of rock is Gneiss?					
	(a)	Sedimentary	(b)	Igneous			
	(c)	Metamorphic	(d)	Any of these			
5.	Chenab originates from the confluence of river/s:						
	(a)	The Chandra	(b)	The Bhaga			
	(c)	Both (a) & (b)	(d)	The Bhaga and the Satluj			
6.	Specific aspect/s of the environmental change affected by population dynamic is/						
	are:						
	(a)	Climate change	(b)	Land use change			
	(c)	Both (a) & (b)	(d)	None of these			
7.	In nature	e Graphite occurs in the form o	f:				
	(a)	Vein	(b)	Dissemination			
	(c)	Amorphous	(d)	All of these			
8.	In J&K	zinc is found at:					
	(a)	Rampur	(b)	Buniyar			
	(c)	Uri	(d)	Karnah			
9.	Which	of the following have the potent	ial to gene	rate Tsunami?			
	(a)	Earthquakes	(b)	Landslides			
	(c)	Volcanic eruptions	(d)	All of these			

10.	Chemod	yr accident released now many	curiesor	radioactivity:				
	(a)	10-25 million curie	(b)	25-50 million curie				
	(c)	50-100 million curie	(d)	100-150 million curie				
11.	Which la	ayer of atmosphere protects the	e earth from	n meteoroids?				
	(a)	Mesosphere	(b)	Stratosphere				
	(c)	Troposphere	(d)	Thermosphere				
12.	The rock	s of the crust fall into which tw	vo major c	ategories?				
	(a)	Mafic and Basalt	(b)	Granite and Felsic				
	(c)	Sial and Sima	(d)	None of these				
13.	Differen	t soil horizons are in:						
	(a)	direct contact with their imme	ediate neig	hbours				
	(b)	indirect contact with their imn	nediate ne	ighbours				
	(c)	Either (a) or (b)						
	(d)	None of these						
14.	As per C	Green indicators 2004, GWI de	enotes:					
	(a)	Green World Index	(b)	Green World Indicator				
	(c)	Green Wealth Indicator	(d)	Green Wealth Index				
15.	Desertifi	cation is:						
	(a)	Developmental problem	(b)	Environmental problem				
	(c)	Both (a) & (b)	(d)	None of these				
16.	Typical l	Indian climate is represented by	/ :					
	(a)	Tropical zone	(b)	Sub tropical zone				
	(c)	Arid zone	(d)	Alpine zone				
17.	Which one of the following is the incorrect statement?							
	50.00	a) Alkalinity refers to buffering						
	(b)	General hardness measures the cations						
	(c)	Carbonate hardness measures the sulphates and other anions						
	(d)	All fresh water sources contain calcium and magnesium						

18.	Which	one is not a trace element	?						
	(a)	Mn		(b)	Mg				
	(c)	Zn		(d)					
19.	PVC is	generally referred as:							
	(a)	Homopolymer		(b)	Co-polymer				
	(c)	Monomer		(d)	None of these				
20.	Tryptop	han is involved in the form	nation of:						
	(a)	Auxin (IAA) in plants		(b)	Nicotinamide (vitamin B _s) in animals				
	(c)	Both (a) & (b)		(d)	None of these				
21.	The rese	ervoir pool of gaseous eye	les of mat	teris					
	(a)	Lithosphere		(b)	Atmosphere				
	(c)	Hydrosphere		(d)	Both (b) & (c)				
22.	Water cycle is made up of 2 overlapping cycles, which are:								
	(a) Ground water and atmospheric water cycles								
	(b)	Surface water and atmo	spheric w	atero	cycles				
	(c)	Larger global and small	er local w	ater c	ycles				
	(d)	Oceanic fresh water cyc	eles						
23.	Fragile bone may result due to toxicity of:								
	(a)	Cd		(b)	Pb				
	(c)	Hg		(d)	None of these				
24.	Paraceta	mol can be taken by a pe	rson:						
	(a)	Using anti-coagulants		(b)	Allergic to aspirin				
	(c)	Both (a) & (b)		(d)	None of these				
25,	Which o	f the following compound	s had very	impo	ortant role in pre-biotic evolution?				
		NO			SO,				
	(c)	SO ₂		(d)	CH ₄				
26.	In pure s	tate chlorophyll b is:							
		Bluish green		(b)	Olive green				
		Yellowish green			Any of these				

27.	Stress ho	ormone is:							
	(a)	Gibberellic acid	(b)	Abscisic acid					
	(c)	Auxin	(d)	Cytokinin					
28.	Which one of the following has no effect on seed dormancy?								
	(a)	Auxins	(b)	Cytokinins					
	(c)	Gibberellins	(d)	Abscisic acid					
29.	Maximu	Maximum energy is liberated on respiratory breakdown of:							
	(a)	Proteins	(b)	Carbohydrates					
	(c)	Fats	(d)	Nucleic acids					
30.	Which f	orm of DNA occurs under phys	iological	conditions of cells?					
	(a)	A-DNA	(b)	B-DNA					
	(c)	C-DNA	(d)	D-DNA					
31.	The first genetically engineered human insulin (Humulin) was launched by an Ameri-								
	can company on :								
	(a)	5th July 1983		5th July 1993					
	(c)	15th June 1985	(d)	None of these					
32.	Which of following statements is incorrect?								
	 (a) The first order consumers in the fresh water pond include larva of may-fly and dragon-fly 								
	(b) Floating populations of plankton are present in high reaches of perennial rivers								
	(c) Eutrophic lakes are relatively shallow lakes								
	(d) Smabar lake of Rajasthan contains saline or brackish water								
33.	Which of the groups represent rooted submerged stage of hydrosere?								
	(a) Typha, Fragmites and Sagittaria								
	(b) Carex, Juncus and Eleocharis								
	(c)	(c) Hydrilla, Elodea and Utricularia							
	(d)	Lemna, Azolla and Wolffia							
34.	Importa	Important edible fresh water fishes of India are:							
	(a)	Hilsa, Salmon, Eel	(b)	Sardine, Pomphret					
	(0)	Lahen Calhasu Catla	(d)	All of these					

35.	The burn	in pine seedling is caused by po	llutant:				
	(a)	SO,	(b)	PAN			
	(c)	NO	(d)	None of these			
36.	Presence	of diatoms in water is an indica	tion of:				
	(a)	Pollution by sewage	(b)	Adequate oxygen in water			
	(c)	Petroleum deposits	(d)	All of these			
37.	A lake w	hich has no significant outflow,	either thr	rough rivers or underground diffu-			
	sion is ca	alled?					
	(a)	Meromietic lake	(b)	Crater lake			
	(c)	Oxbow lake	(d)	Endorheic lake			
38.	Filtration	n over activated carbon removes	:				
	(a)	Residual suspended matter	(b)	Residual toxins			
	(c)	Biofilms	(d)	All of these			
39.	Bioindic	ator of soil pesticide is:					
	(a)	Actinomycetes	(b)	Yeasts			
	(c)	Cyanobacteria	(d)	Filamentous fungi			
40.	In India, on an average, what percentage of municipal solid waste generated can be						
	recycled?						
	(a)	5-10 %	(b)	20-25%			
	(c)	30-35%	(d)	40-50%			
41.	World F	orest Day is celebrated on:					
	(a)	March 21	(b)	April 22			
	(c)	May 17	(d)	October 2			
42.	Which	of the following water-borne dis	ease usu	ally provides protection against a			
	second a	attack?					
	(a)	Infectious Hepatitis (A)	(b)	Cholera			
	(c)	Amoebiasis	(d)	None of these			
43.	Parathic	on is a/an:					
	(a)	Organochlorine		Organophosphate			
	(c)	Carbamate	(d)	None of these			

44.	Noise afl	lects:							
	(a)	(a) Eye sight, colour perception, night vision							
	(b)	Heart rate, blood pressure, work performance							
	(c)	Hearing, sleep, conversation							
	(d)	All of these							
45.	Which o	ne is not a grade of coal?							
	(a)	Racid	(b)	Anthracite					
	(c)	Biturninous	(d)	Lignite					
46.	Hand ma	ade papers :							
	(a)	Reduce pollution	(b)	Help in saving trees					
	(c)	Provide solution of unemployment	(d)	All of these					
47.	Dachiga	m has been declared as National Par	k in	the year :					
	(a)	1981	(b)	1983					
	(c)	1985	(d)	1986					
48.	Which o	ne of the following groups is not liste	das	endangered or rare plant species in					
	Red Dat	Red Data Book ?							
	(a)	(a) Abies delavayi, Acanthephippium, Aconitum							
	(b)	(b) Adinandra, Aglaia, Amblyanthus, Vanda							
	(c)) Populus, Potameia, Psilotum, Rheum							
	(d)	Hordeum vulgare, Secale cereal,	Sorg	rhum vulgare, Eleucine coracana					
49.	In order	to control malaria, offensive measur	res c	an be taken against:					
	(a)	Malaria	(b)	Malarial parasites					
	(c)	Both (a) & (b)	(d)	None of these					
50.	Which o	of the following is not included in IUC	CNI	Red list category?					
	(a)	Least concern	(b)	Extinct in the wild					
	(c)	Lowerrisk	(d)	High concern					
51.	The Oriental and Australian regions are separated from each other by an imaginary line called:								
	(a)	Lombok's line	(b)	Bali's line					
	(c)	Wallace's line	(d)	None of these					

52.	Inside th	e root nodule the Rhizobia char	nge their f	form to cells called:				
	(a)	Rhizomoids	(b)	Rhizoides				
	(c)	Bacteroids	(d)	Bacteriomoids				
53.	Ozoneh	ole was first discovered by:						
	(a)	J E Farman	(b)	I E Fosterman				
	(c)	TJ Rogerman	(d)	None of these				
54.	Smog ar	ises by the interaction of:						
	(a)	Hydrocarbons and sulphur di-	oxide					
	(b)	Hydrocarbons and nitrogen o	xide					
	(c)	Sulphur dioxide and nitrogen	oxide					
	(d)	All of these						
55.	Which one was not among the basic conspicuous issues discussed during Earth Summit?							
	(a)	Greenhouse gas emission	(b)	Forests				
	(c)	Population	(d)	NGOs				
56.	Internationally, environmental education gained recognition when the UN conference was held in 1972 at?							
	(a)	Sweden	(b)	Turkey				
	(c)	Brazil	(d)	Iran				
57.	Which one of the following statements is incorrect?							
	(a)							
	(b)							
	(c)	Arithmetic explanation of median is not possible						
	(d)	Mode is rarely used for medical and higher biological scientific calculations						
58.	Mean values of Hb% of 20 males and 20 females were calculated as 13.5 and 14 mg/100ml with SD as 3 and							
	respectively. The co-efficient of variation of both males and females will be:							
	(a)	Males 20.20% & females 25.50%						
	(b)	Males 22.22% & females 28.57%						
	1	Males 24.50% & females 30.57%						
	(c)	Males 24.50% & females 30	.57%					

	(a)	Correlation analysis	(b)	Regression analysis
	(c)	Both (a) & (b)	(d)	None of these
60. A	A bag co	ontains 3 red, 6 white and 7 b	blue balls. W	hat is the probability that two balls drawn are white and blue?
	(a)	16/3	(b)	7/20
	(c)	3/21	(d)	3/16
			(b) (d)	

59. The reason of relationship between two variables is clearly indicated in: