## 2013 December UGC NET Solved Question Paper in Environmental Sciences, Paper III

1. For an overcast day or night, the atmosph	here is
(A) Stable	
(B) Neutral	
(C) Slightly stable	
(D) Unstable	
Answer: (B)	
2. Assertion (A): The energy flow in an eco	system follows the law of thermodynamics.
Reason (R): The energy flow in an ecosyste of energy from one trophic level to the other	m is unidirectional and during the transformation $r$ , $80 - 90\%$ of energy is lost.
Codes:	
(A) Both (A) and (R) are true and (R) is the	correct explanation of (A).
(B) Both (A) and (R) are true, but (R) is not	the correct explanation of (A).
(C) (A) is true, but (R) is false.	
(D) (A) is false, but (R) is true.	
Answer: (A)	
3. Match the List – I with List – II and ident	tify the correct answer from the given codes:
List – I	List – II
(Thermodynamic Variables)	(Expression)
(Symbols have their usual meanings.)	
(a) $\Delta G$	i. $\Delta E + P\Delta V$
(b) $\Delta G^{\circ}$	ii. – n FE°
(c) $\Delta S$	iii. RT $ln (V_1/V_2)$

Codes:

- (a) (b) (c) (d)
- (A) ii iv i iii
- (B) iii ii iv i
- (C) iii i iv ii
- (D) ii iii iv i

Answer: (B)

- 4. The environmental lapse rate during day time is governed by
- (i) Wind speed
- (ii) Sunlight
- (iii) Topographical features
- (iv) Cloud cover

The correct answer is

- (A) (i) and (ii) only
- (B) (ii) and (iii) only
- (C) (i), (ii) and (iii) only
- (D) (i) and (iv) only

**Answer:** (C)

- 5. The wavelength range of UV–C radiations is
- (A) 200 280 nm
- (B) 180 240 nm
- (C) 320 400 nm

(D) 240 – 300 nm
Answer: (A)
6. In a gas chromatography experiment, the retention factor $(R_f)$ values for pollutant 'A' and pollutant 'B' in a mixture of pollutants were 0.5 and 0.125, respectively. If the distance travelled by solvent front is 12 cms, the distance (in cms) travelled by pollutant 'A' and pollutant 'B' will be
(A) 6 and 1.5
(B) 3 and 1.5
(C) 0.5 and 0.125
(D) 1.5 and 3
Answer: (A)
7. Using the following equations, which can be determined correctly?
$Ca(HCO_3)_2 \longrightarrow {}^{\Delta} CaCO_3 + H_2O + CO_2$ (by heating) or $Ca(HCO_3)_2 + Ca(OH)_2 \longrightarrow 2$ $CaCO_3 + 2H_2O$ (by addition of lime)
(A) Carbon dioxide
(B) Carbonates
(C) Bicarbonates
(D) Carbonates and Bicarbonates
Answer: (D)
8. Assume that a river having dissolved oxygen $0.5~\rm g/m^3$ , BOD $0.3~\rm g/m^3$ flowing at $80~\rm m^3/sec$ . converge with another river having Dissolved Oxygen $0.7~\rm g/m^3$ . BOD $0.6~\rm g/m^3$ flowing at a rate of $60~\rm m^3/sec$ . If after the confluence the Dissolved Oxygen is $0.59~\rm g/m^3$ then the BOD is
(A) $0.83 \text{ g/m}^3$

(B)  $0.43 \text{ g/m}^3$ 

(C)  $0.73 \text{ g/m}^3$ 

(D) $0.92 \text{ g/m}^3$
Answer: (A)
9. Cells grown in a medium containing phosphorous –32 will show radio labelling in
(A) Starch
(B) Glycogen
(C) Proteins
(D) Nucleic acids
Answer: (A)
10. $C^{14}$ has a half-life of 5700 years. The fraction of the $C^{14}$ atoms that decays per year is
(A) $1.216 \times 10^{-4}$
(B) $0.52 \times 10^{-3}$
(C) $0.78 \times 10^{-4}$
(D) $2.81 \times 10^{-4}$
Answer: (A)
11. Assertion (A): Marine biodiversity tends to be highest in mid-latitudes in all oceans and along coasts in the Western Pacific.
Reason (R): Sea surface temperature along coasts in the Western Pacific is highest.
Codes:
(A) Both (A) and (R) are true and (R) is the correct explanation of (A).
(B) Both (A) and (R) are true, but (R) is not the correct explanation of (A).
(C) (A) is true, but (R) is false.
(D) (A) is false, but (R) is true.
Answer: (B)

12. "I	12. "Double digging" is a method of						
(A) Bio-intensive agriculture							
(B) D	(B) Deforestation						
(C) A	foresta	tion					
(D) W	later co	onservat	ion				
Answ	ver: (A)	)					
13. Tl	he rate	of repla	cement	of species along a gradient of habitats pertains to			
(A) A	lpha di	versity					
(B) B	eta div	ersity					
(C) G	amma	diversit	y				
(D) S	pecies (	diversit	y				
Answ	ver: (B)	)					
14. M	atch th	e List –	I and L	ist – II. Choose the correct answer from the given codes:			
List – I			List – II				
(Vegetation development)		ment)	(Nomenclature of succession)				
(a) On a rock			i. Psammosere				
(b) On sand			ii. Lithosere				
(c) In aquatic habitat		t	iii. Xerosere				
(d) In dry habitat			iv. Hydrosere				
Codes	s:						
	(a)	(b)	(c)	(d)			
(A)	ii	i	iv	iii			
(B) i ii iii iv		iv					

(C)	iii	iv	ii	i	
(D)	iv	iii	i	ii	
Answ	er: (A)				
	individu tions, the		-	es remain alive only in captivity or other human controlled ad to be	
(A) E	cologica	ılly ext	inct		
(B) M	lass exti	nct			
(C) W	ild extii	nct			
(D) A	nthropo	genic e	extinct		
Answ	<b>rer:</b> (C)				
16. W	hich of	the fol	lowing	symbolises correct sequence in hydrosere?	
(A) D	iatoms -	→ Wol	lffia → l	$Hydrilla \rightarrow Cyperus \rightarrow Populus$	
(B) H	ydrilla –	→ Wol	ffia → (	Cyperus → Populus → Diatoms	
(C) C	yperus -	→ Diat	oms →	$Hydrilla \rightarrow Wolffia \rightarrow Populus$	
(D) D	iatoms -	→ Hyd	lrilla →	Wolffia $\rightarrow$ Cyperus $\rightarrow$ Populus	
Answ	<b>rer:</b> (D)				
17. W	hich of	the fol	lowing i	is not a class of aquatic ecosystems based on salinity levels?	
(A) S	tagnant v	water e	ecosyste	m	
(B) F	reshwate	er ecos	ystem		
(C) B	rackish o	ecosys	tem		
(D) M	Iarine ec	cosyste	m		
Answ	rer: (A)				

18. The K-strategists are					
(a) Large organisms which have relatively longer life					
(b) Provide care for their offsprings					
(c) Organisms that stabilise	their population at carrying capacity for the area				
Choose the correct answer;					
(A) (a) and (b) only					
(B) (a) and (c) only					
(C) (b) and (c) only					
(D) (a), (b) and (c)					
Answer: (D)					
19. Limnetic zone in freshw	vater ecosystem is characterised by				
(A) Presence of rooted vege	etation				
(B) Absence of rooted veges	tation				
(C) Presence of large propos	rtion of lime				
(D) Absence of phytoplankt	(D) Absence of phytoplankton				
Answer: (B)					
20. Match the List – I with l	List – II; choose the correct answer from the given codes:				
List – I	List – II				
(Plants)	(Family)				
(a) Camellia caduca	i. Orchidaceae				
(b) Picea brachytyla	ii. Theaceae				
(c) Colchicumluteum	iii. Pinaceae				
(d) Arachnantha clarkei	iv. Liliaceae				

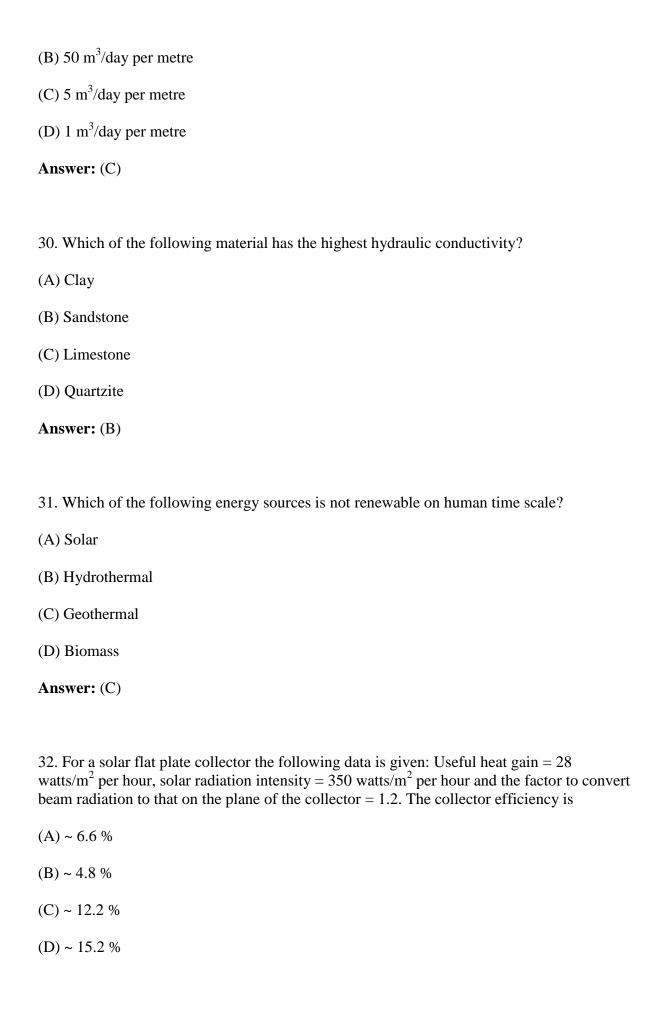
Codes	:			
	(a)	(b)	(c)	(d)
(A)	iv	ii	iii	i
(B)	i	ii	iii	iv
(C)	ii	i	iv	iii
(D)	ii	iii	iv	i
Answ	er: (D)			
	egetation omagnet			naximum reflectance in which of the following regions of the ctrum?
(A) Ul	ltraviole	t		
(B) No	ear infra	red		
(C) M	iddle inf	frared		
(D) Vi	isible			
Answ	er: (B)			
	_		_	the vegetation cover, the spectral reflection of vegetation over ctrum depends upon
(A) Pi	gmentat	ion in th	ne leaf	
(B) St	ructure (	of the le	af	
(C) M	oisture o	content (	of the le	af
(D) Al	ll the abo	ove cha	racters	
Answ	er: (D)			
23. Gi	ven belo	ow are s	tatemen	ts in the context of biogeochemical cycles:
(i) Eco	osystems	s are bla	ick boxe	es for many of the processes that take place within them.
(ii) Ec	osystem	bounda	aries are	permeable to some degree or other.

(iii) The energy and nutrients can be transferred to and from one ecosystem to another via imports and exports.
Identify the correct answer from the codes given below:
(A) (i) & (ii) only
(B) (ii) & (iii) only
(C) (i) & (iii) only
(D) (i), (ii) and (iii)
Answer: (D)
24. The volume of ejecta and the column height for a volcano are 10 <sup>8.5</sup> m <sup>3</sup> and 24 km, respectively. What is its volcanic explosivity index value?
(A) 2
(B) 8
(C) 7
(D) 4
Answer: (D)
25. In the context of material balance in hydrological cycle, which of the following equations is correct for oceans?
(A) Input + change in storage = output
(B) Precipitation + inflow = evaporation
(C) Input – change in storage = output
(D) Precipitation – inflow = evaporation
Answer: (B)
26. In disaster management which steps are followed in post-disaster recovery phase?
(A) Relief, rehabilitation, reconstruction, learning – review

(B) Risk Assessment, mitigation, preparedness, emergency plans. (C) Relief, mitigation, emergency plans. (D) Learning – review, emergency plans, preparedness. Answer: (A) 27. Permafrost represents (A) Permanently frozen subsurface soil (B) Frozen leaves of Oak trees (C) Frozen needles of pine trees (D) Temporarily frozen subsurface soil Answer: (A) 28. Assertion (A): Estuaries are productive ecosystems. Reason (R): Large amounts of nutrients are introduced into the basin from the rivers that run into them. Choose the correct answer: (A) Both (A) and (R) are true, and (R) is the correct explanation of (A). (B) Both (A) and (R) are true, but (R) is not the correct explanation of (A). (C) (A) is true and (R) is false. (D) (A) is false and (R) is true. Answer: (A) 29. A confined aquifer of thickness 25 m has two wells 200 m apart along the direction of flow of water. The difference in their hydraulic heads is 1 m. If hydraulic conductivity is 50 m/day, the rate of flow of water per day per metre of distance perpendicular to the flow of

water is

(A)  $25 \text{ m}^3/\text{day per metre}$ 



## **Answer:** (A)

33. For the reaction in a hydrogen oxygen fuel cell,

$$H_2 + 1/2 O_2 = H_2O(l)$$

Given  $\Delta G^{\circ} = 240 \text{ kJ/gm} - \text{mole of H}_2$  and Faraday's constant = 96,500 Coulomb/gm mole.

The developed voltage in the fuel cell will be

- $(A) \sim 1.13 \text{ Volts}$
- (B)  $\sim 2.13$  Volts
- $(C) \sim 1.51 \text{ Volts}$
- (D) ~ 1.24 Volts

## Answer: (D)

- 34. Identify the correct sequence of the fuels in order of their increasing carbon intensity:
- (A) Natural gas < Oil < Bituminous coal < Nuclear
- (B) Oil < Coal < Natural gas < Nuclear
- (C) Nuclear < Coal < Natural gas < Oil
- (D) Nuclear < Natural gas < Oil < Bituminous coal

Answer: (D)

- 35. In nuclear thermal reactors, which of the following is not used as moderator?
- (A) Normal water
- (B) Heavy water
- (C) Graphite
- (D) Liquid Helium

Answer: (D)

36. The minimum temperature gradient (°C/km) required for OTEC is about
(A) 20
(B) 10
(C) 40
(D) 60
Answer: (A)
37. A solar pond has electricity generating capacity of 600 MWe. If the efficiency of solar energy to electric generation process was 2% and solar energy supply rate was 300 W/m², what is the area of solar pond?
(A) $100 \text{ km}^2$
(B) $90 \text{ km}^2$
(C) $60 \text{ km}^2$
(D) $180 \text{ km}^2$
Answer: (A)
38. Which of the following causes warming of atmosphere but cooling of the earth's surface?
(A) Ozone
(B) Black carbon aerosols
(C) All Greenhouse gases
(D) Sulphates and nitrates
Answer: (B)
39. Assertion (A): For noise level surveys in urban areas, weighting A is used for measurements.

Reason (R): Weighting a filters out unwanted signals.

Codes:
(A) Both (A) and (R) are true and (R) is the correct explanation of (A).
(B) Both (A) and (R) are true, but (R) is not the correct explanation of (A).
(C) (A) is true, but (R) is false.
(D) Both (A) and (R) are false.
Answer: (C)
40. Noise levels of 80 dB refers to a sound pressure level of
(A) 0.2 Pa
(B) 0.02 Pa
(C) 20 Pa
(D) 200 Pa
Answer: (A)
41. Asphyxiation is caused by
(A) HCN, $COCl_2$
(B) NO <sub>x</sub>
(C) $CHCl_3$
(D) $AsH_3$
Answer: (A)
42. Sequence of a typical sewage treatment plant operation process will be
(A) Aeration $\rightarrow$ Flocculation $\rightarrow$ Sedimentation $\rightarrow$ Recarbonation $\rightarrow$ Filtration $\rightarrow$ Disinfection
(B) Aeration $\rightarrow$ Sedimentation $\rightarrow$ Flocculation $\rightarrow$ Filtration $\rightarrow$ Recarbonation $\rightarrow$ Disinfection

(C) Fl	occulat	$ion \rightarrow A$	Aeration	n →Rec	arbonation $\rightarrow$ Sedimentation $\rightarrow$ Filtration $\rightarrow$ Disinfection
(D) Sedimentation $\rightarrow$ Flocculation $\rightarrow$ Aeration $\rightarrow$ Filtration $\rightarrow$ Recarbonation $\rightarrow$ Disinfection					
Answ	er: (A)				
43. W	hich on	e of the	follow	ing isoto	opes has maximum half-life period?
(A) Rı	n <sup>222</sup>				
(B) Pb	210				
(C) Ti	210				
(D) Bi	210				
Answ	er: (B)				
44. M	atch the	e List –	I with L	ist – II	and identify the correct answer from given codes:_
List –	I				List – II
(Aeros	sols)				(Constituents)
(a) Du	st				i. Small gas borne particles resulting from combustion
(b) Mist					ii. Black carbon
(c) Smoke					iii. Suspended small liquid droplets
(d) Atmospheric Brown Cloud			wn Clo	ud	iv. Solid suspended particles
Codes		(b)	(a)	(4)	
(4)	(a)	(b)	(c)	(d) :	
(A)	iv	iii	ii	i	
(B)	iii	iv	i	ii	
(C)	ii	i	iii	iv	
(D)	i	ii	iii	iv	
Answ	er: (A)				

45. Assertion (A): Chlorofluorocarbons deplete ozone.
Reason (R): These compounds contain chlorine, bromine and fluorine.
Codes:
(A) Both (A) and (R) are true and (R) is the correct explanation of (A).
(B) Both (A) and (R) are true, but (R) is not the correct explanation of (A).
(C) (A) is true, but (R) is false.
(D) (A) is false, but (R) is true.
Answer: (C)
46. Which of the following organic compounds is not of biogenic origin?
(A) Isoprene
(B) α-pinene
(C) Myrcene
(D) Acrolein
Answer: (D)
47. Which of the following is used as plant indicator for detection of presence of $SO_2$ and HF in air?
(A) Lichen
(B) Orchid
(C) Apricot
(D) Tobacco
Answer: (A)

48. Integrated Gasification Combined Cycle (IGCC) technology is best at removing

(A) $NO_2$ and $CO$
(B) CO and SO <sub>2</sub>
(C) Particulates and sulphur
(D) NO <sub>2</sub> and SO <sub>2</sub>
Answer: (C)
49. A wastewater treatment plant in a city treats 50,000 m³ wastewater generated per day. For an average flow rate of 25 m³ per day per sq. metre, what should be the diameter of the circular primary settling tank?
(A) 50.4 m
(B) 30.6 m
(C) 20 m
(D) 25.8 m
Answer: (A)
50. An Electrostatic Precipitator (ESP) with collector plate area = $5000 \text{ m}^2$ treats a flue gas with drift velocity = $0.12 \text{ m/s}$ with 98% efficiency. The volumetric flow rate (m <sup>3</sup> /s) of the flue gas is
$(A) \sim 175.2$
(B) $\sim 213.5$
(C) ~ 153.4
(D) ~ 198.9
Answer: (C)
51. Assertion (A): Urban heat islands contribute to build up of pollutants in cities.
Reason (R): Urban heat islands produce a somewhat stable air mass in the city's atmosphere.

Codes:

(B) Both (A) and (R) are correct, but (R) is not the correct explanation of (A).					
(C) (A	) is true	e, but (R	(a) is fals	e.	
(D) Bo	oth (A)	and (R)	are fals	e.	
Answer: (A)					
52. Match List – I with List – II and choose the correct answer from the codes given below:					
List –	I				List – II
(Analytical functions)					(Activity under the function)
(a) De	fining s	cope of	EIA		i. Critical Assessment of impacts
(b) Identification of impacts will occur					ii. Estimation of the probability that a particular impact
(c) Prediction of Impacts					iii. Description of the existing environment system
(d) Impact Evaluation and Analysis			n and Ar	nalysis	iv. Deciding important issues and concerns
Codes:					
	(a)	(b)	(c)	(d)	
(A)	iii	iv	i	ii	
(B)	iv	iii	ii	i	
(C)	ii	i	iii	iv	
(D)	i	ii	iv	iii	
Answer: (B)					
53. A drawback of checklists is					
(A) Preliminary analysis is available in scaling checklist					
(B) Checklists are too general or incomplete					

(C) Checklists summarises information to make it available to experts

(A) Both (A) and (R) are correct and (R) is the correct\ explanation of (A).

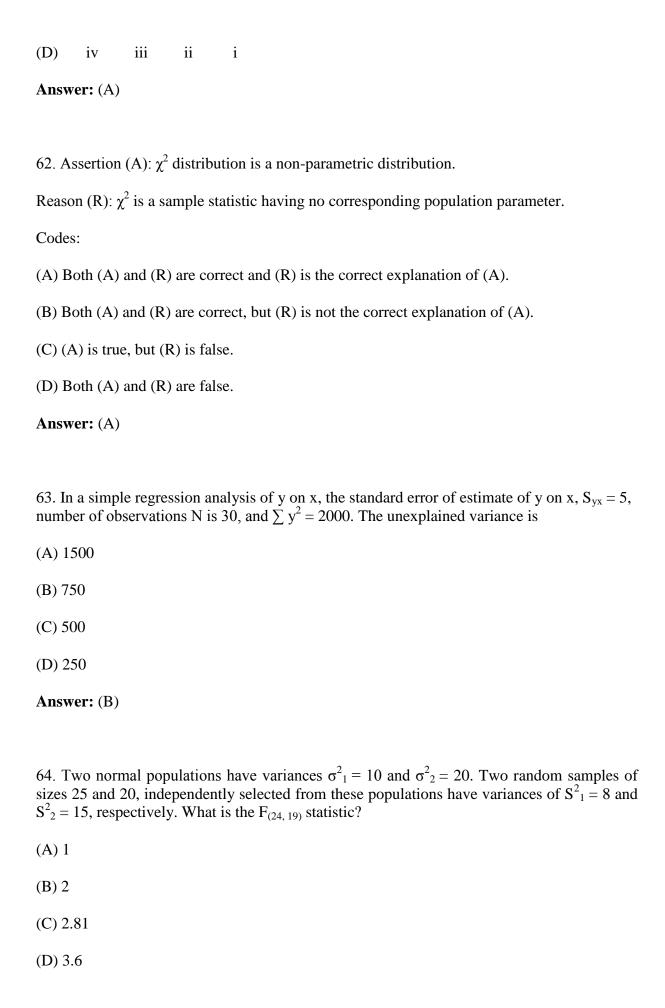
(D) Ecosystem functions can be clearly understood from weighting methods							
Answ	Answer: (B)						
Answer: (C)							
55. Match List – I with List – II and choose the correct answer from the codes given below:							
List –	I				List – II		
(Scale	es used i	in EIA	method	s)	(Example)		
(a) No	ominal				i. Temperature (degrees)		
(b) Oı	dinal				ii. Species classification		
(c) Int	terval				iii. Map scale		
(d) Ra	atio				iv. Worst to best		
Codes	3:						
	(a)	(b)	(c)	(d)			
(A)	i	ii	iii	iv			
(B)	iv	iii	ii	i			
(C)	iii	i	iv	ii			
(D)	ii	iv	i	iii			
Answer: (D)							
56. Risk assessment in EIA does not involve							
(A) Maximum credible analysis							
(B) Hazard and operability studies							
(C) Preparation of disaster management plan							
(D) Assessment of economic benefit arising out of a project							

Answer: (D)
57. In a gravity flow autoclave, medical waste is subjected to a temperature
$(A) > 120  ^{\circ}C$
$(B) < 100  ^{\circ}C$
$(C) > 300  ^{\circ}C$
(D) $> 800  ^{\circ}\text{C}$
Answer: (A)
58. Hierarchy of priorities in hazardous waste management is
(A) Eliminate generation $\rightarrow$ Reduce generation $\rightarrow$ Recycle / Reuse $\rightarrow$ Treatment $\rightarrow$ Disposal
(B) Reduce generation $\rightarrow$ Eliminate generation $\rightarrow$ Recycle/Reuse $\rightarrow$ Treatment $\rightarrow$ Disposal
(C) Eliminate generation $\rightarrow$ Reduce generation $\rightarrow$ Treatment $\rightarrow$ Recycle/Reuse $\rightarrow$ Disposal
(D) Reduce generation $\rightarrow$ Eliminate generation $\rightarrow$ Treatment $\rightarrow$ Recycle/Reuse $\rightarrow$ Disposal
Answer: (A)
59. Public Liability Insurance Act was enacted in the year
(A) 1991
(B) 1993
(C) 1995
(D) 1997
Answer: (A)
60 Match List – Lwith List – II and choose the correct answer from the codes given below:

List-I

List-II

(Con	vention	)		(Year)	
(a) Co	onventi	on for t	he prote	ection of the ozone layer	i. 1979
(b) C	onserva	ation of	migrato	ii. 1985	
(c) K	yoto pr	otocol			iii. 1982
(d) U	N Conv	vention	on the la	aw of the sea	iv. 1997
Code	s:				
	(a)	(b)	(c)	(d)	
(A)	ii	i	iv	iii	
(B)	ii	iv	iii	i	
(C)	iii	i	ii	iv	
(D)	i	ii	iii	iv	
61. M		ist – I w	ith List	– II and choose the correct a	nswer from the codes given b  List – II
(Acts					(Year when enacted)
(a) W	'ildlife	Protecti	on Act		i. 1980
(b) Fo	orest Co	onserva	tion Act		ii. 1972
(c) A	ir (Prev	ention a	and Con	trol of Pollution) Act	iii. 1974
(d) W	ater (P	reventic	on and C	Control of Pollution) Act	iv. 1981
Code	s:				
	(a)	(b)	(c)	(d)	
(A)	ii	i	iv	iii	
(B)	i	ii	iii	iv	
	iii	ii		iv	



Answer: (A)
65. Assertion (A): A matrix is nonsingular if and only if none of its eigen values is zero.
Reason (R): The product of the eigen values equals the determinant of a matrix.
Codes:
(A) Both (A) and (R) are correct and (R) is the correct explanation of (A).
(B) Both (A) and (R) are correct, but (R) is not the correct explanation of (A).
(C) (A) is correct, but (R) is false.
(D) Both (A) and (R) are false.
Answer: (A)
66. In Gaussian Plume Model assume $\sigma_z$ = cx where c is a constant and ratio of $\sigma_y$ to $\sigma_z$ to be a constant. If H is the effective height of the stack, the maximum concentration at a distance (x) from the stack is proportional to
$(A) H^{-1}$
(B) $H^{-2}$
(C) $\exp\left(-H^2\right)$
(D) $H^{-3/2}$
Answer: (B)
67. The Pearson Linear correlation coefficient (r) for the following paired data (x, y): (2, 1.4) (4, 1.8), (8, 2.1), (8, 2.3), (9, 2.6) is
(A) 0.623
(B) - 0.572
(C) 0.957
(D) 0.823

**Answer:** (C)

68. In a rough terrain the wind speed at a height of $10~\text{m}$ is $2.5~\text{m/s}$ . The wind speed at an elevation of $300~\text{m}$ will be
(A) 4.9  m/s
(B) 1.2 m/s
(C) 3.6 m/s
(D) 7.9 m/s
Answer: (A)
69. In the context of REDD <sup>+</sup> initiatives the land clearing in forest areas is primarily concerned with
(A) Physical resources of the area
(B) Ecology of the area
(C) Carbon budget of the area
(D) Water resources of the area
Answer: (C)
70. What was the objective of Basel Convention (1989) under UNEP?
I. Minimize generation of hazardous wastes in terms of quantity and hazardousness
II. Disposal of hazardous wastes as close to the source of generation as possible.
III. Reduce the movement of hazardous wastes.
Choose the correct code:
(A) I and II only.
(B) II and III only.
(C) I, II and III.
(D) I only.

## **Answer:** (C)

- 71. Global Warming Potential (GWP) of a greenhouse gas (GHG) is a comparison of global warming impact between
- (A) 1 kg of GHG and 1 kg of methane
- (B) 1 kg of GHG and 1 kg of CO<sub>2</sub>
- (C) 1 kg of GHG and 1 kg of N<sub>2</sub>O
- (D) 1 kg of GHG and 1 kg of CFC-11

Answer: (B)\_

- 72. Which of the following mixture of gases is called biogas?
- (A) CO<sub>2</sub>, CH<sub>4</sub>, NH<sub>3</sub>, H<sub>2</sub>S, H<sub>2</sub>O (vapour)
- (B) CO, CH<sub>4</sub>, NH<sub>3</sub>, H<sub>2</sub>S, H<sub>2</sub>O (vapour)
- (C) CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, NH<sub>3</sub>, H<sub>2</sub>O (vapour)
- (D)  $CO_2$ ,  $NO_x$ ,  $H_2O$ ,  $CH_4$

Answer: (A)

- 73. Environmental ethics deal with moral relationship of human beings to
- (A) the value and moral status of the environment and its nonhuman contents
- (B) the values that is important to development and economic growth
- (C) the conservation values of selected species
- (D) the development of genetically modified organisms

Answer: (A)

- 74. The major source of BaP (Benzo-apyrene) in atmospheric environment is
- (A) residential wood burning

(C) coal tar					
(D) cooked meat					
Answer: (A)					
75. Match the List – I below:	with L	ist – II and choose the correct answer from the codes given			
List – I		List – II			
(Materials)	(Appl	ications)			
(a) Trichloroethylene 1. Gasoline					
(b) Toluene	2. Wood treatment				
(c) Zinc	3. Dry	cleaning			
(d) Phenol	4. Min	ing			
Codes:					
(a) (b)	(c)	(d)			
(A) 3 1	4	2			
(B) 2 3	1 4				
(C) 1 4	2	3			
(D) 4 2	3 1				
Answer: (A)					

(B) gasoline