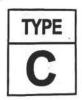
## **GEMI**





[Kindly fill up you	r seat number	carefully]	
Seat Number	10		

[Please read the following carefully before making an attempt to take the Test]

No. of Questions	100
Total Marks allotted	100
Marks for every correct Answer	1
No negative marks will be awarded	For Option "E"
Marks deducted for every wrong Answer or Blank options	0.25
Timelimit (	120 minutes

## Instructions for Candidates

- Keep only the Hall Ticket, pencil, eraser and Black/ Blue ball pen with you. DO NOT keep with you books, rulers, slide rules, drawing instruments, calculators (including watch calculators), pagers, cellular phones, or any other device.
- Fill up all the details as indicated on top of the QUESTION BOOKLET and OMR Sheet.
- Fill up correctly your SEAT number both on the QUESTION BOOKLET and OMR Sheet.
- Read these directions carefully and answer the questions by darkening the appropriate ovals.

All questions are Multiple Choice Questions (MCQs). Each of these questions has four options for answer, out of which only ONE option is correct. A candidate has to select the correct option and fill the corresponding letter in the OMR Sheet against the question.

## For Example:

- 1) Ahmedabad is the city of which State?
  - (A) Maharashtra
- (B) Tamilnadu
- (C) Gujarat
- (D) Andhra Pradesh











In above example true answer is (C), so the circle of (C) is encoded. Don't write Gujarat in answer.

There shall be negative marking for each incorrect 5. answer, 0.25 marks will be deducted from the

- candidate's total marks. No negative marks will be awarded, if the option "E" is selected by the candidates. "E" is not option of answer. However, 0.25 will be deducted if all the options are kept blank.
- Shade the appropriate oval against each question in the OMR sheet. Shade the oval completely and do not shade more than one oval as in that case the answer will be treated null and void and 0.25 marks would be deducted.
- Use blue/black ball point pen only for writing particulars on this page and writing or marking responses on OMR Sheet/shade the oval.
- The candidates should ensure that the OMR sheet is not folded or damaged. Do not make any stray marks on the OMR sheet or mutilate the OMR Sheet.
- Do all rough work on the Question booklet only and NOT on the OMR Sheet. No extra sheet is to be used for the rough work.
- Ensure that you have signed your name on the attendance sheet circulated by the invigilator. Ensure that the invigilator has signed on the Question Booklet and the OMR Sheet.
- 11. On completion of the test, the candidate MUST HAND OVER the OMR SHEET to the Invigilator in the room/hall.
- 12. Strictly follow the instructions of the invigilator. Candidates refusing to comply with the instructions will be expelled from the test.

1.	How much acidic is pH-2 compared to pH-4?		
	(A)10	(B) 100	
	(C) 1000	(D) 10000	
2.	What is the length of the capillary column wh chromatography?	ich is of diameter 0.2-0.4 mm and recently used in gas	
110	(A) 1 - 5 m	(B) 10 - 20 m	
HAR	(C) 5 - 10 m	(D) 20 - 30 m	
	· ol		
3.	Measured electrical conductivity (EC) value is	s also used as surrogate measure of which petameter?	
	(A) pH	(B) TDS	
	(C) Acidity	(D) Alkalinity	
4.	How electrical conductivity is symmetry in	No.	
•••	How electrical conductivity is expressed in SI (A) mg/l		
	(C) MS/m	(B) PPM	
	(C) MS/III	(D) $\mu$ g/M <sup>3</sup>	
5.	What is usual incubation period for BOD test	of the given sample as per standard method?	
	(A) 1 day 30°C	10	
	(B) 3 day 30°C	101	
	(C) 5 day 30°C	COL	
	(D) 5 day 20°C	All All	
6.	What is toxicity in the context of fish biology?	OI NO	
0.	(A) The ability of fish to tolerate extreme temp	peratures	
	(B) The degree to which fish are attracted to t		
	(C) The harmful effects of chemicals or polluta		
0	(D) The natural resistance of fish to diseases	10	
100		dill'	
7.		ved Effect Concentration) is determined to be 10 mg/L	
**	for a particular chemical?	the death	
	(A) No fish were exposed to the chemical dur		
	(B) At a concentration of 10 mg/L, no advers		
	(C) Fish exhibited adverse effects at all tested	- HII m	
	(D) The concentration was too high for accura	ate testing.	
8.	Which of the following is NOT a commonly u	sed measure of toxicity factor in fish toxicology?	
	(A) LC50 (Lethal Concentration for 50% more	rtality)	
10	(B) LD50 (Lethal Dose for 50% mortality) /	III.	
	(C) EC10 (Effective Concentration for 10%)	response)	
	(D) pH level of the water	1210	
	What is the unit of management for ID 2	COLL	
9.	What is the unit of measurement for $LD_{50}$ ?	(B) mg/kg bw	
	(A) mg/L	(D) μg/m³	
	(C) ppm	(~) HBIII	

10.	Which method is commonly used in fish biggs	says to determine the concentration at which a toxi
10.	substance causes a specific effect in 50% of the	test nonulation?
	(A) DNA sequencing	(B) Microscopy
	(C) Dose-response curve analysis	(D) Algal bloom assessment
11.	Which sterilization method is most commonly us	sed for heat-sensitive materials?
	(A) Autoclaving	(B) Incineration
	(C) Filtration	(D) Dry heat sterilization
12.	What is the primary mode of action of ultraviolet	t(UV) irradiation for sterilization?
	(A) Denaturation of proteins and nucleic acids	(B) Disruption of cell membranes
-	(C) Oxidation of cellular components	(D) Heat generation
13.	What is the purpose of the multiple-tube fermen	ntation technique in the MPN test?
	(A) To count individual coliform colonies	•
	(B) To isolate coliform bacteria	01
	(C) To confirm the presence of coliforms	All All
	(D) To estimate the coliform concentration	40
200	110	10 1 1 mm to 45 mm
14.	Which of the following is NOT typically used a coliform bacteria?	s a selective medium in the MPN test for
	(A) MacConkey agar	(B) Brilliant Green Lactose Bile Broth
-	(C) Eosin Methylene Blue agar	(D) Nutrient agar
		refuse felt and participation of the second
15.		
12	(A) By their color	(B) By their shape
	(C) By their size	(D) By Gram staining
16	Powers and function of central and state board	s are discussed in which chapter of water (Prevention
10	and control of pollution) Act. 1974.	10
	(A) Chapter - 2	OIL COL
2	(B) Chapter - 3	
	(C) Chapter - 4	and a second
4	(D) Chapter - 5	Mic
17	. As per Air (Prevention and control of pollution	n) Act. 1981 board shall meet at least
	(A) Once in every three months	
	(B) Once in every 1 year	10 10
	(C) Once in every 2 years	A. II
	(D) Once in every 3 years	al'o
18	How many persons are to be nominated by state	government to represent the companies or corporations
	owned by government.	
	(A) One	(B) Two
	(C) Three	(D) Five
	V- 10-2	

19.	As per the environmental (Protection) A may be impressment of a term, which	Act, 1986, penalty for contravention of rules, orders and direction may extend to.	
	(A) 1 year	(B) 2 years with fine	
	(C) 5 years with fine	(D) 10 years with fine	
20.	What is true as per the National Enviro	onment Policy 2006 objectives ?	
-	(A) Conservation of critical environme		
	(B) Secretary for the poor and assure	d secure access to resources	
	(C) Integrate environmental concerns		
	(D) All of the above are correct	.Cills	
21.	If the cost price of 10 pencils is equal to the selling price of 8 pencils, find the gain percent?		
21.	(A) 15%	(B) 20%	
	(C) 25%	(D) 30%	
22.	A square garden is surrounded by a 2	m wide path. If the area of the path is 224m <sup>2</sup> , find the area of the	
	garden.		
	$(A) 625 \text{ m}^2$	(B) 679 m <sup>2</sup>	
	(C) 729 m <sup>2</sup>	(D) $784 \mathrm{m}^2$	
23.		the ratio 2:3, so that it may become equal to 4:5?	
	(A) 8	(B) 4	
	(C) 6	(D) 2	
24.	'A' works twice as faster than 'B'. If 'A taken by 'A' alone to complete the w	and 'B' can together complete the work in 4 hours, find the time ork?	
	(A) 6 hours	(B) 7 hours	
1	(C) 8 hours	(D) 9 hours	
25.	increased by 30%, by what percentage	d 'B' is in the ratio 4:5. If the volume of water in the tank 'A' is ge the volume in tank 'B' must be increased so that both the tanks	
	have same volume of water?	(C)	
	(A) 4%	(B) 5%	
	(C) 6%	(D) 7%	
26	. World famous Modhera Sun temple	is situated on the bank of the river?	
	(A) Mahishmati	(B) Rupmati	
	(C) Pushpavati	(D) None of these	
		to the Colombia	
27			
	(A) Vyara	(B) Balasinor	
	(C) Morbi	(D) Velavadar	
28	. Shanti Swarup Bhatnagar awards are	e given in the field of	
	(A) Science and Technology	(B) Literature	
	(C) Peace	(D) Sports	

29.	What is the maximum sp	eed of Brahmos Missil	e?
a.A.	(A) Mach 1	-Vica	(B) Mach 2
110	(C) Mach 3		(D) Mach 4
30.	What is the name of India	a's first solar village?	
	(A) Dholera		(B) Modhera
	(C) Punsari		(D) Dhanora
31.	Match the following		all
31.	Application form	Area of Accreditation	CUIT
	i) NABL-151	a) For calibration Lab	
-6	ii) NABL-151	b) For testing laborato	
670	iii) NABL-153	c) For proficiency laborated	
	iv) NABL-180	d) For medical laborat	
	IV)IVADL-160	d) I of medical	
	(A) i (b), ii(c), iii (d), iv	(a)	(B) i (a), ii(b), iii (c), iv (d)
	(C) i (c), ii(d), iii (a), iv	(b)	(D) i (d), ii(a), iii (b), iv (c)
32.			necessary corrective action on non-conformities and
	submit a report to NABL	secretariat within.	The state of the s
	(A) 15 days		(B) 30 days
40	(C) 45 days		(D) 60 days
33.	All decisions taken by NA	ABL are open to appeal	by Conformity Assessment Body (CAB). The appeal
	is to be addressed to		,
	(A) Chairman, NABL		(B) M.D., NABL
	(C) Secretary, NABL	×	(D) C.E.O., NABL
34.	NABL has published a gr	uide document for proce	ess and procedure.
	(A) Document NABL 10		all all
	(B) Document NABL 10	1B	CUIL
	(C) Document NABL 10	2B	N. C.
	(D) Document NABL 10	3 B	
35.	Match the followings	Mic	We .
	i) Reference material pro	oducer	a) As per ISO/IEC 17025
	ii) Calibration laboratorie	S	b) As per ISO/IEC 17043
	iii) Medical Lab.		c) As per ISO /IEC 17034
	iv) Proficiency testing pro-	vider	d) As per ISO 15189
	(A) i (b), ii(c), iii (d), iv	(a)	(B) i (c), ii(d), iii (a), iv (b)
	(C) i (d), ii(a), iii (b), iv		(D) i (a), ii(b), iii (c), iv (d)
36.	NABL secretariat is functi	ioning from	No.
15	(A) Gurugram	100	(B) New Delhi
69.	(C) Nagpur	la.	(D) Bhopal

37.	NABL Accreditation is valid for a period of	<u>~</u>
31.	(A) 1 year	(B) 2 years
	(C) 3 years	(D) 4 years
	(0)3 )023	Bodies (CAB) on
38.	NABL shall conduct periodic surveillance of	Conformity Assessment Board
	(A) Quarterly basis	(B) Hall yearly out
	(C) Yearly basis	(D) Two yearly basis
••	CAB shall apply for renewal of accreditation	to NABL at least
39.		A LOW HIGHLING COLOUR T
	(A) One month before expiry	(D) Six months before expiry
40	(C) Four months before expiry	
40.	Applicant laboratories are required to success	sfully participate in
	C - ttesting programm	ne hetore grafit of accident
	CON 1	me helpic grant o-
	(C) at least three proficiency testing programm (D) at least four proficiency testing programm	ne before grant of accreditation.
41.	Peroxyacetyl Nitrate (PAN) is formed by oxi	
	(i) Aldehydes	(iv) Mercury, Arsenic and Lead
	(iii) Non-methyl Volatile Organic Carbon	(II) IIII
	Choose the correct answer from the codes:	
	Codes:	ello.
	(A) (i) and (iv)	(B) (ii) and (iv)
	(C) (i), (ii), (iii) and (iv)	(D) (i), (ii) and (iii)
42.	Fugitive emissions consist of	(B) Dust from construction activities
0.	(A) Street dust (C) Dust from farm cultivation	(D) All of the above
	70	70.
43.	Ozone if present in acts as a	a pollutant.
	(A) Troposphere	(B) Stratosphere
	(C) Mesosphere	(D) Exosphere
	Which of the following gases facilitates forma	tion of tropospheric ozone?
44.		(B) SO <sub>2</sub>
	(A) NO <sub>2</sub>	(D) NH <sub>3</sub>
	(C) CO	(=)3
45.	Lead pollution in air is caused mainly by	T.II
	(A) Automobiles	(B) Agricultural activities
	(C) Mining activities	(D) Forest Fires
1000	Which of the following rivers is having world	s tallest railway bridge over it?
46.		(B) Brahmputra River
	(A) Ganga River	(D) Godavari River
	(C) Chenab River	(2) Godavali Mvel

47.	Which Indian cricketer became the fastest	to reach 13,000 runs in One Day Internationals?
Lo	(A) Virat Kohli	(B) Sachin Tendulkar
1	(C) Rohit Sharma	(D) MS Dhoni
48.	What is the common source of nitrogen ox	ides (NOx) in urban air pollution?
	(A) Industrial emissions	(B) Volcanic eruptions
•	(C) Natural forest fires	(D) Automobile exhaust
49.	Which Indian state recently launched the "Cone member of each family?	One Family, One Job" scheme to provide government jobs to
	(A) West Bengal	(B) Assam
	(C) Manipur	(D) Sikkim
50.	Navy in 2021?	s aircraft carrier, which was commissioned into the Indian
	(A) INS Vikramaditya	(B) INS Vikrant
	(C) INS Viraat	(D) INS Kolkata
51.	Which part of the Indian Constitution deals	with the Fundamental Rights of citizens?
	(A) Part I	(B) Part II
	(C) Part III	(D) Part IV
52.	Which Indian scientist played a crucial roll "Covaxin"?	le in the development of the COVID-19 vaccine known as
	(A) Raghuram Rajan	(B) Dr. K. Radhakrishnan
	(C) Dr. Krishna Ella	(D) Dr. A.P.J Abdul Kalam
53.	What is the name of India's first indigenous a 2019?	anti-satellite missile system, which was successfully tested in
	(A)Agni-V	(B) Prithvi-II
	(C) Mission Shakti	(D) Nag Missile
54.	Which of the following articles of the Indiacitizen to protect and improve the natural e	an Constitution deals with the Fundamental duties of every nvironment?
	(A) Article 51	(B) Article 19
	(C) Article 21	(D) Article 24
55.	Who is the first Indian to win a Nobel Prize	e in Physics?
	(A) C. V. Raman	(B) Homi Bhabha
	(C) Satyendra Nath Bose	(D) Meghnad Saha
56.	Which is correct method to preserve waste (A) Refrigerate the sample at 4°C (B) Add 2 ml NaOH (5N)/L of sample and	d refrigerate at 4°C
	-(C) Add 2 ml $40\%$ H <sub>2</sub> SO <sub>4</sub> to bring pH<2,	
67	(D) Add 2 ml 2N Zinc acetate/100 ml of sa	ample

57.	Which is correct method to preserve wastewater	sample for analysis of fluoride, and what is the maximum		
51.	holding period?	aniple for allaysis of fluence,		
	(A) Preservation not required, 7 days	En.		
	(B) Refrigerate the sample at 4°C, 6 months			
		- :0		
	(C) Preservation not required, 6 months			
	(D) Add 40 mg HgCl <sub>2</sub> , 7 days	A. M. A.		
58.	Bromocresol blue as an indicator shows sharpe	Bromocresol blue as an indicator shows sharper color change at pH		
	(A) 3.7	(B) 7.0		
20	(C) 8.2	(D) 9.1		
59.	For estimation of alkalinity of a sample, the inter	rference of residual chlorine can be removed by adding solution.		
	of a small amount (one/two drop) of			
	(A) 0.1N Sodium hydroxide	(B) 0.1 mol/L Sodium thiosulfate		
	(C) 0.1N Sodium carbonate	(D) 0.1 mil/L Mercuric sulfate		
-	Y STATE OF THE POPULATION OF THE PROPERTY OF THE POPULATION OF THE	only the		
60.	In a conventional 5-day BOD test, we measure	(B) NBOD		
	(A) CBOD	(D) CBOD + NBOD		
	(C) TBOD	(D) CBOZ 1123		
61.	In wastewater analysis, conductive is customar	ily reported in		
	(A) Microohms	(B) Micromhos		
	(C) Microohms per centimeter	(D) Micromhos per centimeter		
		7 19 . W. S.		
62.	Apparent colour of wastewater caused by	(B) inorganic solvents		
	(A) organic solvents	(D) dissolved matter		
1	(C) suspended matter	(D) dissolves market		
63.	1 mg/L of Pt (K <sub>2</sub> Pt Cl <sub>6</sub> ) gives standard	nit of colour.		
05.	(A) 0.1	(B) 1.0		
	(C) 10.0	(D) 100.0		
		.0.		
64.	COD results are not accurate if the sample cont	ans more than .		
	(A) 100 mg/L chlorides	(B) 1000 mg/L chlorides		
	(C) 100 mg/L sulphides	(D) 1000 mg/L sulphides		
65.	must be present in COD analysis.			
05.	(A) Excess of K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	(B) Equilibrium of K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>		
	(C) Excess of $[Fe(NH_4)_2 (SO_4)_2]$	(D) Equilibrium of [Fe(NH <sub>4</sub> ) <sub>2</sub> (SO <sub>4</sub> ) <sub>2</sub> ]		
	400	H <sub>2</sub> SO <sub>4</sub> acts as a catalyst		
66.	In COD analysis, was the	(B) AgCl		
	$(A) Ag_2 SO_4$	(D) HgCl <sub>2</sub>		
	(C) HgSO <sub>4</sub>	No. 12		
67.	In COD analysis, used as indicator.	-Way		
57.	(A) Mercury sulphate	(B) Ferroin		
	(C) Ferrous sulphate	(D) Ferrous ammonium sulphate		

68.	In fresh water at 25°C, DO value is mg	y/L
1	(A) 8.1	(B) 8.3
	(C) 8.5	(D) 8.7
69.	DO requirement for healthy fish population in v	vater is in range of mg/L
	(A) 5 to 8	(B) 4 to 8
	(C) 3 to 8	(D) 2 to 8
70.	In estimation of DO, nitrite interference is over	come by use of
	(A) NaN <sub>3</sub>	(B) Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
	(C) MnSO <sub>4</sub>	(D) HgSO <sub>4</sub>
71.	Under acidic conditions fluorides react with z	irconium - SPANDS solution and colour changes to
		SIAINDO SOLUTION AND CONTRACTOR OF THE SECOND
	(A) red	(B) blue
	(C) pale yellow	(D) colourless
72.	Hardness in water is caused by the presence of	_ * III .
	(A) monovalent metallic anions	10
	(B) multivalent metallic anions	9.
	(C) multivalent metallic cations	, Chil
	(D) monovalent metallic cations	
73.	In estimation of TKN, the liberated ammonia is	absorbed in
	(A) barium sulphate	(B) boric acid
	(C) cupric sulphate	(D) potassium sulphate
74.		coloured compound when reacted with alkaline
	Nessler reagent	ali
	(A) White	(B) Pink
	(C) Bluish green	(D) Yellowish brown
75.	If oil and grease of wastewater sample is betweestimation?	een 5 to 15 mg/L, which method is to be used for its
	(A) Soxhlet extraction	<b>M</b>
	(B) Liquid-liquid extraction	
	(C) Double distillation	
2 - 1	(D) Reflux distillation	
	TIR: 1 Cd - Cd	
6.		om point of view of calibration of spectrophotometer?
	(A) Calibration process should have series of sta	
	(B) Calibration process should have specified wa	
	(C) Calibration curve should be essentially a stra	
1	(D) Once calibrated need not to be calibrated ag	gain life time

77.	"Intensity of ray of monochromatic light decr medium increases" is said under the law called	eases exponentially as the concentration of absorbing	
	(A) Beer's law	(B) Lambert's law	
	(C) Ohm's law	(D) Boyle's law	
78.	Flame photometry is generally not used in water	er analysis for determining	
	(A)Acidity	(B) Sodium	
	(C) Potassium	(D) Calcium	
79.	Which device is responsible to separate various wavelengths from emitted radiation in flame photometer?		
	(A) Photocell	(B) Prism	
	(C) Flame	(D) Amplifier	
80.	Addition of graphite furnace in new atomic abs	sorption spectrophotometer allows determination of	
	(A) Zinc	(B) Magnesium	
	(C) Nitrogen	(D) Heavy metals	
81.	Which of the following is not an element of Ga	s chromatograph?	
	(A) Sample injection port	(B) Column	
	(C) Electrode	(D) Detector	
82.	Which among the following gases is mostly us	ed as carrier gas in gas chromatograph?	
	(A) Carbon dioxide	(B) Helium	
	(C) Carbon monoxide	(D) Oxygen	
83.	Which detector of gas chromatograph respon resulting from anaerobic digestion?	ds well to most gases and useful for analysis of gases	
	(A) Electron capture detector	(B) Flame conization detector	
	(C) Thermal conductivity detector	(D) Colometric detector	
84.	pH data is generally interpreted in terms of	10,	
	(A) Hydrogen ion concentration	ASTUCIUS WORLD	
	(B) Calcium ion concentration	(1)	
	(C) Sodium ion concentration	Na.	
	(D) Magnesium ion concentration	La.	
85.	In a given sample of solution pH is a measure o	f	
	(A) Concentration of solution	(B) Density of solution	
	(C) Ion activity in solution	(D) Specific gravity of solution	
86.	The major anthropogenic source of SO <sub>2</sub> in atm	nosphere is	
	(A) Combustion of fuel	(B) Volcanic eruption	
e e	(C) Vehicular emission	(D) Anaerobic decomposition	

87.	SO <sub>2</sub> in ambient air monitoring is estimated by		
	(A) West and Gaeke method	(B) Jacob & Hochheiser method	
	(C) ASS/ICP method	(D) Gravimetric method	
88.	In National Ambient Air Quality Standard, tin	ne weighted average of 8 hours and 1 hour is given for	
	(A) SO <sub>2</sub> , NO <sub>2</sub>	(B) SO <sub>2</sub> , PM <sub>10</sub>	
	(C) PM <sub>2.5</sub> , CO		
90		(D) Ozone and CO	
89.	Which of the following statements is INCORR	ECT about Ambient Air Monitoring?	
	(1) The data collected provide information on	air quality trend in an area	
	The data gives the direct concentration of the	ne pollutante heing amitted from the industries	
9	The aniotetical sample is collected along v	With the meteorological data of that mention logation	
	(D) Ambient Air Monitoring is helpful in assess	ing the extent of pollution.	
90.	Which of the following instruments is used to	neasure the Total Suspended Particulate Matter?	
	(A) High Volume Sampler	neasure the Total Suspended Particulate Matter?	
	(B) Respirable Dust Sampler	4.11	
	(C) Fine Particulate Sampler	10°	
	(D) Ultra-fine Particulate Sampler	10,	
91.		the following is the most important carbonated mineral	
	(A) Dolomite	NO.	
	(C) Siderite	(B) Magnesium carbonate	
00		(D) Calcite	
92.	Which soil horizon is present in the soil of fore (A) O horizon	sts but absent in deserts and cultivated field?	
	, ,	and dain valed field;	
	(B) Ahorizon	al.	
	(C) B horizon	all all	
	(D) C horizon	الله	
93.	Which is the main available form of sulphur that is reduced by autotrophs and incorporated into proteins?		
	(A) S <sub>8</sub>	(B) S	
	(C) SO <sub>4</sub>	(B) S <sub>4</sub> (D) SO <sub>2</sub>	
04			
94.	Acidic nature of soil is shown by high concentr	ration of	
	(A) Phosphorus	(B) Oxygen	
	(C) Nitrogen	(D) Hydrogen	
95.	Lithophiles are tends to be associated with	100	
	(A) minerals	10.	
	(B) iron	Ch.	
	(C) gaseous components of the atmosphere	ALL STATES	
	(D) oxide ions	War.	
	MA		

- 96. Montreal protocol aims at:
  - (A) Reduction in emissions of greenhouse gases
  - (B) Phasing out ozone depleting substances
  - (C) Prohibiting transboundary movement of hazardous waste
  - (D) Enhancing cooperation among UN member states for peaceful uses of nuclear energy
- Which greenhouse gas is added in atmosphere due to cattle farming and landfill waste dumping?
  - (A) Nitrous oxide
  - (B) Water vapour
  - (C) Methane
  - (D) Carbon Dioxide
- Which of the following is INCORRECT regarding Oil Spill?
  - (A) Oil Spill only causes economical loss, it does not have any effect on environment.
  - (B) Oil Spill reduces the level of dissolved oxygen in water.
  - (C) Due to oil spill marine mammals and birds may die from hypothermia as the insulating and waterproofing properties of feathers and fur is affected.
  - (D) Oil Spills can be removed through skimming or use of various sorbents.
- Compared to CO2, methane has global warming potential of
  - (A) 5 10 times more
  - (B) 20 25 times more
  - (C) 40 45 times more
  - (D) 60 65 times more
- 100. Which of the following statements is CORRECT related to Acid Rain?
  - (A) Acid rain increases the fertility of soil by adding NOx and SOx directly into the soil
  - (B) Acid rain is only in the form of wet deposition.
  - (C) Acid rain affects the aquatic organisms by making the water acidic and also by interrupting the food chain in it.
  - (D) Marble surface does not corrode when exposed to Acid Rain.

