

Q.1	Lambert's law is applied in.....			
	A	Volumetric analysis	C	Colorimetric method
	B	Oxidation - reduction method	D	Gravimetric analysis

Q.2	Which group of organic compounds are generally not oxidized in the COD test?			
	A	Aliphatic hydrocarbon	C	Nitrogenous compound
	B	Aromatic hydrocarbon and pyridine	D	None of this

Q.3	The solubility of atmospheric oxygen in fresh water ranges from aboutat 0°C to about..... at 35°C			
	A	14 mg/l, 7 mg/l	C	12 mg/l, 5 mg/l
	B	10 mg/l, 3 mg/l	D	8 mg/l, 1 mg/l

Q.4	Specific conductance measurement is frequently used in water analysis to obtain a rapid estimate of thepresent.			
	A	Suspended solids	C	A & B both
	B	Dissolved solids	D	None of above

Q.5	Beer's Law states that			
	A	Absorbance is proportional to both the path length and concentration of the absorbing species	C	Absorbance is inversely proportional to log of concentration of absorbing medium.
	B	Absorbance is proportional to the log of the concentration of the absorbing species	D	Absorbance is equal to P_0 / P

Q.6	Read the following statements with reference to physical methods of analysis			
	I. Physical method usually used in water and wastewater analysis does not require expensive instruments.			
	II. In turbidity analysis light transmitted through a finely divided suspension is compared with that transmitted by standard suspension.			
	III. In Nephelometric method, light is allowed to strike a suspension at right angles to eye of the observer or photoelectric cell of the instruments.			
	Choose the correct answer			
	A	Only one of the above statement is correct	C	All of the above statements are correct
B	Only two of the above statements are correct	D	All of the above statements are incorrect	

Q.7	Which of the following carrier gas is not suitable for Gas Chromatography?			
	A	Hydrogen	C	Nitrogen
	B	Helium	D	Oxygen

Q.8	Read the following statements with reference to pH		
	I. pH is term used universally to express the intensity of the acid and alkaline condition of solution.		
	II. It is a way of expressing the hydrogen ion concentration or hydrogen ion intensity.		
	III. Chemical processes used to coagulate wastewaters, dewater sludges require that the PH be controlled within rather narrow limits.		
	Choose the correct answer		
A	Only one of the above statement is correct	C	All of the above statements are correct
B	Only two of the above statements are correct	D	All of the above statements are incorrect

Q.9	Read the following statements with reference to mineral acidity		
	I. Mineral acidity can be measured by means of standard solution of alkaline reagents.		
	II. Mineral acidity is measured by titration to a PH of about 3.7, methyl orange end point.		
	III. Mineral acidity is also measured by titration to a PH of about 3.7, by phenolphthalein end point.		
	IV. Titration of a sample to the phenolphthalein end point of PH 8.3 measures both mineral acidity plus acidity due to weak acids.		
Choose the correct answer			
A	Only one of the above statement is correct	C	Only three of the above statements are correct
B	Only two of the above statements are correct	D	All of the above statements are correct

Q.10	The major portion of alkalinity in natural water is caused by			
	A	$\text{OH}^-, \text{HCO}_3^-, \text{CO}_3^{--}$	C	$\text{Cl}^-, \text{SO}_4^{--}, \text{CO}_3^{--}$
	B	$\text{Cl}^-, \text{HCO}_3^-, \text{CO}_3^{--}$	D	$\text{OH}^-, \text{SO}_4^{--}, \text{CO}_3^{--}$

Q.11	Read the following statements with reference to Alkalinity of water		
	I. Alkalinity of water is due to salts of weak acids and strong bases, and such substances act as buffers to resist a drop in pH resulting from acid addition		
	II. Alkalinity is also a measure of buffer capacity		
	III. Alkalinity of water is a measure of its capacity to neutralize acids.		
	Choose the correct answer		
A	Only one of the above statement is correct	C	All of the above statements are correct
B	Only two of the above statements are correct	D	All of the above statements are incorrect

Q. 12	Hardness is caused by multivalent cations. Match the principal cations causing hardness in water and major anions associated with them			
	Cations causing Hardness		Anions	
	A	Ca ²⁺	I	NO ₃ ⁻
	B	Mg ²⁺	II	SiO ₃ ²⁻
	C	Fe ²⁺	III	HCO ₃ ⁻
	D	Mn ²⁺	IV	SO ₄ ²⁻
	Answer the following			
	A	A(I),B(II),C(IV),D(III)	C	A(III),B(IV),C(I),D(II)
	B	A(II),B(III),C(IV),D(I)	D	A(II),B(I),C(IV),D(III)

Q. 13	Sulfate can be measured by different methods in natural water. From below data, match the sulphate determination method with their respective principles			
	Sulfate Measurement Methods		Principle of measurement	
	A	Gravimetric method	I	Interference in passage of light due to formed precipitate
	B	Turbidimetric method	II	Based on weighing of formed Precipitate
	C	Methylthymol blue method	III	Excess of barium using colorimetry
	D	Ion chromatography method	IV	Exchange of Ion using Ion exchange resins
	Answer the following			
	A	A(I),B(II),C(IV),D(III)	C	A(II),B(III),C(IV),D(I)
	B	A(II),B(I),C(IV),D(III)	D	A(II),B(I),C(III),D(IV)

Q. 14	Read the following statements			
	Biochemical oxygen demand measures			
	I. Organic materials (Carbonaceous)			
	II. Inorganic materials (Sulphides and Ferrous ions)			
	III. Reduced form of nitrogen			
	Answer the following. It measures			
	A	Only one of the above	C	All of the above
	B	Only two of the above	D	None of the above

Q. 15	Read the following statements. COD determination is always advantageous over BOD determination because			
	I. The results can be obtained in 3-4 hr as compared to 3-5 days			
	II. There are no interferences in COD tests			
	III. Results are more precise than that for BOD			
	Choose the correct answer			
	A	Only one of the above statement is correct	C	All of the above statements are correct
	B	Only two of the above statements are correct	D	All of the above statements are incorrect

Q. 16	Match the following			
	Parameter		Method for determination	
	I	BOD	A	Open Reflux Method
	II	COD	B	Winkler-Azide Modification Method
	III	Dissolved Oxygen	C	Ion Selective Electrode
	IV	Fluoride	D	Respirometric Method
	Choose the correct answer			
	A	I(D),II(A),III(B),IV(C)	C	I(A),II(D),III(B),IV(C)
B	I(D),II(B),III(A),IV(C)	D	I(D),II(A),III(C),IV(B)	

Q. 17	In chemical kinetics, the order of the reaction represents			
	A	Sum of exponents of reactants concentrations	C	Algebraic expression of reactants and product concentrations
	B	Multiplication of exponents of reactants concentrations	D	Fractional expression of reactants concentration

Q. 18	Read the following statements about Zero order reaction			
	I. Rate of reaction is independent of reactant concentration			
	II. The plot of concentration Vs time is a straight line			
	III. All biological reactions are zero order reactions			
	Choose the correct answer			
	A	Only one of the above statement is correct	C	All of the above statements are correct
B	Only two of the above statements are correct	D	All of the above statements are incorrect	

Q. 19	Which type of organisms are used in Bio Monitoring ?			
	A	Micro Invertebrates	C	Macro Invertebrates
	B	Mammals	D	None of them

Q. 20	Which of the following method is not suitable as rapid detection method for faecal coliform?			
	A	Glutamate decarboxylase	C	Electrochemical
	B	Bioluminescence	D	Colorimetric

Q. 21	The process of accumulating higher and higher doses through the food chain is called			
	A	Biomagnification	C	Biofiltration
	B	Bioaccumulation	D	All of the above

Q. 22	Langmuir isotherm is used to describe----- adsorption			
	A	Multilayer	C	Both A & B
	B	Single-layer	D	None of the above

Q. 23	At Breakpoint Chlorination, all ----- is converted to -----			
	A	Nitrates, Nitrite	C	Ammonia, Nitrogen
	B	Nitrogen, ammonia	D	Nitrite, Nitrates

Q. 24	For determination of volatile solids, the sample is ignited at ----- °C			
	A	1500	C	550
	B	1200	D	300

Q. 25	----- method is used to determine chloride from water sample.			
	A	Mohrs	C	Winkler
	B	Azide modification	D	Rideal-stewart modification

Q. 26	Read the following statements about SAR-			
	I. Water with high Sodium Adsorption Ratio (SAR), decreases the ability of the soil to form stable aggregates.			
	II. High sodium displaces the calcium and magnesium in the soil.			
	III. High SAR leads to decrease in infiltration and permeability of the soil to water.			
	Choose the correct answer			
	A	Only one of the above statement is correct	C	All of the above statements are correct
	B	Only two of the above statements are correct	D	All of the above statements are incorrect

Q. 27	Read the following statements about Cation Exchange Capacity(CEC)			
	I. It decides nutrient retention capacity of soil.			
	II. Higher the CEC, Higher the fertility of soil.			
	III. It depends on pH value of soil.			
	Choose the correct answer			
	A	Only one of the above statement is correct	C	All of the above statements are correct
	B	Only two of the above statements are correct	D	All of the above statements are incorrect

Q. 28	Read the following statements about effectiveness of disinfection. It depends upon-			
	I. The quality of water being treated.			
	II. Type of disinfectant used.			
	III. Disinfectant dosage			
	Choose the correct answer			
	A	Only one of the above statement is correct	C	All of the above statements are correct
	B	Only two of the above statements are correct	D	All of the above statements are incorrect

Q. 29	Read the following statements about ozonation in water treatment		
	I. Ozone is very reactive and oxidizes most organic material.		
	II. It is safer , no special requirement for storage at site.		
	III. Ozone cannot be generated on-site .		
	Choose the correct answer		
A	Only one of the above statement is correct	C	All of the above statements are correct
B	Only two of the above statements are correct	D	All of the above statements are incorrect

Q. 30	Read the following statements		
	I. The Montreal Protocol deals with Ozone depletion		
	II. All major countries have signed Montreal Protocol		
	III. USA refuses to sign Kyoto Protocol		
	Choose the correct answer		
A	Only one of the above statement is correct	C	All of the above statements are correct
B	Only two of the above statements are correct	D	All of the above statements are incorrect

Q. 31	In India, Country Program are relates to-			
	A	Montreal Protocol	C	General convention
	B	Kyoto Protocol	D	All of the above

Q. 32	Match the international conventions on environment with their respective years			
	International conventions		Year in which held	
	A	Stockholm,Sweden	I	1972
	B	Rio,Brazil	II	1992
	C	Johannesburg, South africa	III	2002
			IV	2012
	Answer the following			
	A	A(I),B(II),C(III),B(IV)	C	A(II),B(III),B(IV),C(I)
B	A(II),B(I),A(IV),C(III)	D	A(I),C(IV),C(II),B(III)	

Q. 33	"To protect and improve the natural environment is the duty of every citizen of India" as per which article of Constitution of India?			
	A	Article 48 A of the Constitution of India	C	Article 21 of the Constitution of India
	B	Article 51 A of the Constitution of India	D	All of the above

Q. 34	The Air Act over rides all other enactments except for those provided in			
	A	Atomic Energy Act	C	Motor Vehicles Act
	B	Factories Act	D	All of the above

Q. 35	The provisions regarding environmental protection were made in the constitution in the year			
	A	1950	C	1976
	B	1960	D	1982

Q. 36	Read the following statements			
	I. Water is the State subject while Air is in Central list of Constitution			
	II. "Air" and "Environment" are neither State list nor in Central list of Constitution			
	III. Water Act has been enacted by parliament under Article 252 of the Constitution.			
	Choose the correct answer			
	A	Only one of the above statement is correct	C	All of the above statements are correct
B	Only two of the above statements are correct	D	All of the above statements are incorrect	

Q. 37	Read the following statement in reference to the three Act - Water Act, 1974, Air Act 1981 and EPA 1986			
	I. Water Act has maximum number of chapters			
	II. Air Act has maximum number of sections			
	III. EPA has the maximum number of rules made under it			
	Choose the correct answer			
	A	Only one of the above statement is correct	C	All of the above statements are correct
B	Only two of the above statements are correct	D	All of the above statements are incorrect	

Q. 38	Who was the person termed as "genius" and who died recently?			
	A	John Abraham	C	Denis Abraham
	B	John Nash	D	Denis Nash

Q. 39	What is "OROP"?			
	A	One Right One Person	C	One Raw One Pathway
	B	One Rank One Pension	D	One Reach One Passage

Q. 40	What is MSG that was found by Food and Drugs Administration in sample of Maggie recently?			
	A	Meta Solo Glucomet	C	Meta Solo Gycol
	B	Mono Sodium Glutamate	D	Mono Sodium Glycol

Q. 41	Government of India has recently decided to appeal in Capt Saurabh Kalia Case to International Court of Justice. Where is it located?			
	A	Vienna	C	Stockholm
	B	Oslo	D	Hague

Q. 42	Who is the Governor of RBI?			
	A	Sh. Jayant Sinha	C	Sh. Raghuram Rajan
	B	Sh. Arun Jaitley	D	Sh. D. Subbarao

Q. 43	Who was the rape victim, who died after 42 years in coma/bed ridden?			
	A	Asmita Patel	C	Aruna Shanbaugh
	B	Aruna Patel	D	Asmita Shanbaugh

Q. 44	What is the current dollar rate?			
	A	₹. 55-60 per \$	C	₹. 65-70-per \$
	B	₹. 60-65 per \$	D	₹. 70- 75 per \$

Q. 45	Who is the Human Resource Development Minister of India?			
	A	Ms. Nirmal Seetharaman	C	Ms. Sushma Swaraj
	B	Ms. Smruti Irani	D	Ms. Meenakshi Lekhi

Q. 46	Read the following steps			
	I. If $1 = 2$			
	II. then $1 + 1 = 2 + 1$			
	III. then $2 = 3$			
	IV. Implies $1 = 2 = 3 = 4 = \dots$ Infinite			
	Choose the correct answer			
	A	Only step I is logically incorrect	C	Only steps I & IV are logically incorrect
	B	Only steps I & II are logically incorrect	D	All the steps are logically incorrect

Q. 47	A shopkeeper raises up the price of an item by 40%. He then gives a discount of first 30% and then another discount of 10%. State whether he makes profit or loss			
	A	There is no profit no loss	C	He makes loss
	B	He makes profit	D	Profit or loss would depend on the price of item

Q. 48	Read the following series. Which is the next number?			
	0, 0, 3, 7, 8, 26			
	A	15	C	44
	B	24	D	63

Q. 49	Who was elected as the president of FIFA for the fifth time?			
	A	Michael Platini	C	Sepp Blatter
	B	Jerome Valcke	D	Mohd. Al bin Faizal

Q. 50	Who received the National Film award for best actress?			
	A	Dipika Padukone	C	Kangana Ranaut
	B	Priyanka Chopra	D	Katrina Kaif

Q. 51	What does DRDO stand for ?			
	A	Delhi Research Development Organization	C	Digital Research Development Organization
	B	Defence Research Development Organization	D	Deep Research Development Organization

Q. 52	Which of the following states was created one year back?			
	A	Andhra Pradesh	C	Jharkhand
	B	Telangana	D	Uttarakhan

Q. 53	The "EL Nino effect" results in			
	A	Normal Monsoon	C	Heavy Rainfall
	B	Drought Conditions	D	Heavy Rainfall followed by total absence of rainfall

Q. 54	In a class there are 60 students. Thirty five play cricket, 25 football and 25 hockey. If 10 play both cricket and football, 10 play both cricket and hockey and 10 play both football and hockey; How many play all three games?			
	A	5	C	15
	B	10	D	20

Q. 55	A number is first added to 20 and then doubled up. Number 10 is then subtracted from doubled up amount. The entire value is then divided by two. The number is then subtracted from the value obtained after division. The final value is			
	A	10	C	20
	B	15	D	25

Q. 56	Which of the following is true about confined aquifers?			
	A	They contain surface water	C	They are made up of the shallowest part of the water table
	B	They are bordered by either an aquiclude or an aquitard	D	All of the above

Q. 57	Read the following statement with reference to excessive pumping. In relation to recharge excessive pumping can cause			
	I. Well to go dry			
	II. Cone of depression			
	III. Water table to go down			
	Choose the correct answer			
	A	Only one of the above statement is correct	C	All of the above statements are correct
	B	Only two of the above statements are correct	D	All of the above statements are incorrect

Q. 58	What is the difference between the saturated and the unsaturated zones of ground water			
	A	The saturated zone has a higher porosity than the unsaturated zone	C	The pore spaces in the saturated zone are completely full of water; the pore spaces in the unsaturated zone are not completely full of water.
	B	The saturated zone has a lower porosity than the unsaturated zone	D	The pore spaces in the unsaturated zone are completely full of water; the pore spaces in the saturated zone are not completely full of water.

Q. 59	Which of the following statements about the water table is false:			
	A	The water table changes when discharge is not balanced by recharge	C	The water table is flat
	B	The water table is above the land surface in lakes	D	The water table is depressed near high volume pumping wells

Q. 60	Hydraulic conductivity is alternatively known as			
	A	Darcy's coefficient	C	Storage coefficient
	B	Specific retention	D	Specific yield

Q. 61	Read the following statement. "Screening" is done to decide			
	I. What is to be included in EIA			
	II. Whether EIA is required to be done			
	III. Who will do EIA?			
	Choose the correct answer			
	A	Only one of the above statement is correct	C	All of the above statements are correct
	B	Only two of the above statements are correct	D	All of the above statements are incorrect

Q. 62	Read the following statement. 'Modelling' is done for			
	I. Impact identification			
	II. Impact prediction			
	III. Impact evaluation			
	Choose the correct answer			
	A	Only for one of the above	C	For all of the above
	B	Only for two of the above	D	For none of the above

Q. 63	'Public hearing' can be participated in by			
	A	People from anywhere in the world	C	Locally affected people
	B	Any citizen of India	D	Anyone from that State

Q. 64	Read the following statement with reference to 'Impacts mitigation'. It includes			
	I. Avoiding impact			
	II. Minimizing impact			
	III. Compensation			
	Choose the correct answer			
	A	Only one of the above statement is correct	C	All of the above statements are correct
	B	Only two of the above statements are correct	D	All of the above statements are incorrect

Q. 65	'Secondary data' for baseline is not the data			
	A	Obtained from Govt sources	C	Generated at site
	B	Obtained from other sources	D	Obtained from project proponent

Q. 66	Environmental clearance at State level is given by			
	A	State pollution Control Board	C	SEIAA
	B	State Department of Environment	D	SEAC

Q. 67	Which one is more appropriate while defining impacts?			
	A	Air emissions	C	Wastewater discharge
	B	Solid waste generation	D	Consequence of changes

Q. 68	Air emission of is greatest single source from combustion of Hospital Wastes and Municipal Wastes			
	A	DDT	C	Benzene
	B	Dioxin	D	BHC

Q. 69	The principle forms in which Fluoride is added to public water supplies			
	A	Sodium Silicofluoride	C	Ammonium Silicofluoride
	B	Hydro Flurosilicic acid	D	All of the above

Q. 70	Social impacts are considered to be relatively more crucial in projects viz.			
	A	Large residential complexes	C	Chemical industries
	B	Large dams	D	Steel plants

Q. 71	Read the following statement. The purpose of using EIA methodology includes			
	I. To ensure that all pertinent environmental factors are included in the study			
	II. To provide means for synthesis of information and evaluation of alternatives on a common basis			
	III. To evaluate cost effectiveness of proposed impact mitigation measures			
	Choose the correct answer			
	A	Only one of the above	C	All of the above
B	Only two of the above	D	None of the above	

Q. 72	Which of the following impacts constitutes secondary impact of a thermal power plant			
	A	Impairment of air quality	C	Drawdown of ground water
	B	Destruction of wild life	D	Health impacts

Q. 73	Where is the hole in the ozone layer?			
	A	Over the North Pole	C	Over Antartica
	B	Over America	D	Over Europe

Q. 74	Read the following statement with reference to ' Kyoto Protocol':		
	I. It is legally binding for Annex I countries.		
	II. It emerged from the deliberations of COP-3 to the UNFCCC.		
	III. The signatories have to reduce their individual Green House Gas emissions by 5.2% from 1990 level.		
	Choose the correct answer		
	A	Only one of the above statement is correct	C
B	Only two of the above statements are correct	D	All of the above statements are incorrect

Q. 75	Graham's Law is concerned with the			
	A	Gas transfer into and out of liquid	C	Addition of oxygen removal
	B	Diffusion of gases	D	Removal of undesirable gases

Q. 76	Benzene test in air samples can be carried at ppm level out using instrument known as-----			
	A	Gas Chromatography	C	Colorimeter
	B	Spectrophotometer	D	Flame photometer

Q. 77	EPA (Environmental Protection Agency) is an agency for which country?			
	A	UK	C	Sweden
	B	Germany	D	USA

Q. 78	Which of the following is known as carcinogens, comes out from incomplete combustion of hydrocarbon and other carbonaceous material and be present in exhaust discharges from I C engines?			
	A	CO	C	Poly-cyclic organic compound
	B	SO ₂	D	Oxides of nitrogen

Q. 79	Read the following matchings			
	A		B	
	1	Smoke	1	Aerosol of fine carbon particle
	2	Photo Chemical Smog	2	Secondary Pollutant
	3	SO ₂	3	Causes decay of Taj Mahal
	Choose correct matching			
	A	Only one of the above is correctly matched	C	All of the above are correctly matched
	B	Only two of the above are correctly matched	D	None of the above are correctly matched

Q. 80	Read the following matchings			
	Material/Waste		Approximate Calorific Value	
	1	Coal	1	2000 Kcal/Kg
	2	LPG	2	15000 Kcal/Kg
	3	MSW	3	200 - 600 Kcal/Kg
	4	HW	4	3000 - 15000 Kcal/Kg
	Choose correct matching			
	A	Only one of the above is correctly matched	C	Only three of the above are correctly matched
B	Only two of the above are correctly matched	D	All of the above are correctly matched	

Q. 81	Which is the correct order of 4Rs for Waste Management (Best option to least preferable)?		
	A	Recycle ==> Reduce ==> Reuse ==> Recover	
	B	Reduce ==> Reuse ==> Recycle ==> Recover	
	C	Reuse ==> Reduce ==> Recycle ==> Recover	
	D	Recover ==> Reuse ==> Reduce ==> Recycle	

Q. 82	Read the following matchings			
	Facility		Purpose	
	1	CBWTF	1	Biomedical Waste disposal
	2	CETP	2	Waste Water treatment
	3	CHWIF	3	Incineration of Hazardous Waste
	4	TSDf	4	Disposal of Hazardous Waste
	Choose correct matching			
	A	Only one of the above is correctly matched	C	Only three of the above are correctly matched
B	Only two of the above are correctly matched	D	All of the above are correctly matched	

Q. 83	----- container is used for human anatomical waste, animal waste, waste soiled, microbiological & bio-technological waste collection in Bio -Medical Waste .			
	A	Black color plastic bag	C	Blue, white color plastic bag
	B	Red color plastic bag	D	Yellow color plastic bag

Q. 84	The permissible level for various parameters as per National Ambient Air Quality Standards (NAAQS) is shown below			
	Parameter		Permissible levels	
	1	PM10 (24 hours)	1	100 $\mu\text{g}/\text{m}^3$
	2	CO (8 hours)	2	02 $\mu\text{g}/\text{m}^3$
	3	Arsenic (Annual Average)	3	03 $\mu\text{g}/\text{m}^3$
	Choose correct matching			
	A	Only one of the above is correctly matched	C	All three of the above are correctly matched
	B	Only two of the above are correctly matched	D	None of the above are correctly matched

Q. 85	Read the following matchings			
	Rules		Year in which enacted	
	1	Hazardous Waste (Management & Handling) Rules	1	1989
	2	Bio-Medical Waste (Management and Handling) Rules	2	1998
	3	e Waste (Management and Handling) Rules	3	2012
	Choose correct matching			
	A	Only one of the above is correctly matched	C	All three of the above are correctly matched
	B	Only two of the above are correctly matched	D	None of the above are correctly matched

Q. 86	The compilation of short stories by the name "Saurashtra Ni Rasdhar" was written by			
	A	Zaverchand Meghani	C	Pannalal Patel
	B	Kanhaiyalal Maneklal Munshi	D	Gauri Shankar Joshi "Dhoomketu"

Q. 87	Read the following matchings			
	Environmental Principle		Its Origin	
	1	Precautionary Principle	1	Rio Conference 1992
	2	Polluter Pays	2	Stockholm Conference
	3	Concept of Absolute liability	3	Johanesburg Summit
	Choose correct matching			
	A	Only one of the above is correctly matched	C	All of the above are correctly matched
	B	Only two of the above are correctly matched	D	None of the above are correctly matched

Q. 88	The consent to operate and establish under the Water (Prevention and Control of Pollution) Act, 1974 is granted by State Pollution Control Board under			
	A	Section 17	C	Section 25
	B	Section 21	D	Section 33A

Q. 89	Who won the recently concluded IPL championship?			
	A	Chennai Super Kings	C	Rajasthan Royals
	B	Mumbai Indians	D	Kolkata Knight Riders

Q. 90	What is the size of filter media used for the analysis of PM 2.5?			
	A	47mm	C	44mm
	B	46mm	D	44.2mm

Q. 91	What is the absorbing media used during the collection of SO₂ from ambient air?			
	A	Potassium mercurate	C	Sodium arsenite
	B	Potassium Tetrachloro mercurate	D	Sodium hydroxide and sodium arsenite

Q. 92	Which dye is used in modified Jacob and Hochheiser method?			
	A	Pararosaniline	C	NEDA
	B	Iodine	D	Sulphanilamide

Q. 93	Which wavelength is used for analysis of NO₂ (oxide of nitrogen)?			
	A	540nm	C	555nm
	B	545nm	D	565nm

Q. 94	Match the following ambient air quality parameter as per their analysis requirement			
	Parameter		Analysis requirement	
	I	PM _{2.5}	A	NEDA
	II	PM ₁₀	B	Pararosaniline
	III	Sulphur Dioxide	C	Teflon based filter media
	IV	Oxide of Nitrogen	D	Glass fiber based
	Answer the following			
	A	I(D),II(A),III(B),IV(C)	C	I(C),II(D),III(B),IV(A)
	B	I(D),II(B),III(A),IV(C)	D	I(D),II(C),III(A),IV(B)

Q. 95	Read the following statements			
	I. Municipal Waste cannot mixed with Bio-medical waste			
	II. There are no rules for construction waste specifically in our country			
	III. Hazardous Waste Rules are applicable for ship dismantling/recycling waste			
	Choose the correct answer			
	A	Only one of the above statement is correct	C	All of the above statements are correct
	B	Only two of the above statements are correct	D	All of the above statements are incorrect

Q. 96	Read the following statements.		
	Chlorinated plastics can not be incinerated in biomedical waste incinerators because		
	I. It would cause release of NO _x		
	II. It would cause generation of Dioxins & Furans		
	III. It would lead to Global Warming		
	Choose the correct answer		
	A	Only one of the above statement is correct	C
B	Only two of the above statements are correct	D	All of the above statements are incorrect

Q. 97	Which of the following matter is declared as a Notification and not as Rules under Environment (Protection) Act, 1986			
	A	Bio- Medical Waste	C	e Waste
	B	Hazardous Waste	D	Environment Impact Assessment

Q. 98	What percentage of Municipal Solid Waste in India is likely to be plastic?			
	A	< 3%	C	15% - 20%
	B	5% - 10%	D	25% - 30%

Q. 99	The Biomedical Waste as per rules cannot be stored beyond			
	A	12 hours	C	48 hours
	B	24 hours	D	72 hours

Q. 100	Which is the correct order in Management and Handling of Hazardous Waste?		
	I. Generation		
	II. Storage		
	III. Transport		
	IV. Treatment		
	V. Dumping in Landfill		
	Choose the correct answer		
	A	I ==> III ==> II ==> IV ==> V	
	B	I ==> II ==> III ==> IV ==> V	
	C	I ==> IV ==> III ==> II ==> V	
D	I ==> IV ==> II ==> II ==> V		

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	A	through root system	C	through stem and branches
	B	through leaves	D	non of mentioned in a,b and c
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	A	scientifically adopted	C	legally adopted
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Q. 29	The shape of bacillus bacteria is _____ type.			
	A	Rod	C	Spiral
	B	Spherical	D	All of the above
Q. 30	In COD test which indicator is used ?			
	A	Potassium permanganate	C	Ferrouin
	B	Starch	D	Potassium
Q. 31	_____ hardness contains cations and anions associated with sulfate, chloride & nitrate.			
	A	Noncarbonate	C	Pseudo
	B	Carbonate	D	Total
Q. 32	The ignition temperature for volatile solids is _____ °C.			
	A	100	C	550
	B	180	D	250
Q. 33	Fine screens have pore size _____ .			
	A	Less than 6mm	C	150mm to 200mm
	B	6mm to 150mm	D	More than 200mm
Q. 34	The angle of inclination for tube settler is _____ .			
	A	90° to 120°	C	45° to 60°
	B	60° to 90°	D	10° to 45°
Q. 35	Turbine mixers are used in effluent treatment for _____ .			
	A	Aeration	C	Keeping material in suspension
	B	Mixing of chemicals	D	All of the above
Q. 36	The minimum velocity at which resuspension of sludge occur from sludge zone of sedimentation tank is _____.			
	A	Terminal settling velocity	C	Horizontal velocity of water
	B	Scour velocity	D	Upflow velocity

Q. 37	In porous type of diffusers, oxygen transfer efficiency may decrease because of _____.			
	A	Exterior fouling	C	A & B both
	B	Internal fouling	D	None of the above
Q. 38	Which of the following is responsible for rising of sludge in secondary settling tank?			
	A	Presence of filamentous microbes	C	Denitrification
	B	Nitrification	D	Chlorination
Q. 39	_____ is used to determine optimum coagulant dose in laboratory.			
	A	Magnetic stirrer	C	Inhoff cone
	B	Jar test apparatus	D	Colorimeter
Q. 40	The graph of adsorption isotherms represents extent of adsorption versus concentration at _____.			
	A	Constant pressure	C	Constant temperature
	B	constant volume	D	Vacuum condition
Q. 41	Which law is related with diffusion of gases?			
	A	Boyle's	C	Gay-Lussac's
	B	Graham's	D	Charle's
Q. 42	Alkalinity in water is expressed in terms of _____.			
	A	CaO	C	CaCO ₃
	B	Ca(OH) ₂	D	Ca(HCO ₃) ₂
Q. 43	Effective coagulation requires _____ of alkalinity.			
	A	Presence	C	Absence
	B	Insensitive to presence or absence	D	None of the above
Q. 44	Flocculators are _____.			
	A	Sedimentation units	C	Slow stirring devices
	B	Instantaneous mixing devices	D	Chemical feeding devices
Q. 45	The minimum dissolved oxygen required in water to save the aquatic life is _____.			
	A	1mg/l	C	4mg/l
	B	2mg/l	D	8mg/l

Q. 46	Osmosis is the movement of a ____ through a membrane.			
	A	Solute	C	Solvent
	B	Gas	D	Solid
Q. 47	_____ law relates the absorption of liquid to the thickness of colored liquid.			
	A	Lembert's	C	Beer's
	B	Hazen	D	Ferrady
Q. 48	The shifting of equilibrium in response to a change of concentration during chemical reaction is principle of _____.			
	A	Raoult's law	C	Gay-Lussac's law
	B	Le Chartelier's law	D	Henry's law
Q. 49	_____ is used to recover sodium hydroxide from industrial wastes which is contaminated with organic substance.			
	A	Dialysis	C	Osmosis
	B	Electro oxidation	D	Electro coagulation
Q. 50	_____ have the power to change the rate of chemical reaction.			
	A	Catalyst	C	Enzymes
	B	Indicators	D	Buffer
Q. 51	Modified West-Gaeke colorimetric procedure is used to determine			
	A	NO _x	C	SO ₂
	B	CO ₂	D	CO
Q. 52	Particulate pollutants of ambient air is expressed in terms of			
	A	PM ₁₀	C	A & B both
	B	PM _{2.5}	D	PM ₁₀₀
Q. 53	The sample collection during stack monitoring can be achieved by			
	A	Iso-kinetic sampling	C	Quiescent
	B	Turbulent	D	None of the above
Q. 54	_____ toxicity test are short duration test.			
	A	Chronic	C	Renewal
	B	Acute	D	Recirculation
Q. 55	_____ is commonly used as a test organism in toxicity test.			
	A	Bacteria	C	Plants
	B	Fish	D	flowers

Q. 56	Chapter 3 of Environment (Protection) Act, 1986 deals with			
	A	General Powers of the Central Government	C	Miscellaneous
	B	Prevention, Control, and Abatement of Environmental Pollution	D	Preliminary
Q. 57	The provisions of environmental protection in the constitution were made under:			
	A	Article 5-A	C	Article 27-B (h)
	B	Article 21-B	D	Article 48-A and Article 51-A (g)
Q. 58	Which of the section of the Air (Prevention And Control Of Pollution) Act, 1981 carries the functions of Central Board:			
	A	Section 16	C	Section 25
	B	Section 19	D	Section 24
Q. 59	Following is not a objective of the National Environment Policy, 2006.			
	A	Conservation of Critical Environmental Resources	C	Enhancement of Resources for Environmental Conservation
	B	Efficiency in Environmental Resource Use	D	Economic Growth and Sustainable Development
Q. 60	According to EIA notification, All Category 'A' and Category B1 projects or activities shall undertake Public Consultation, except the following:-			
	i	all Category 'B2' projects and activities.		
	ii	modernization of irrigation projects		
	iii	of land.		
	iv	Townships		
	A	Only (i)	C	Only (ii) and (iii)
	B	Only (i) and (ii)	D	All of above
Q. 61	Following is not the function of the State Boards under the Air Act, 1981?			
	A	To collect and disseminate information relating to air pollution	C	Lay down standards for the quality of air in the state
	B	To advise the State Government on any matter concerning the prevention, control or abatement of air pollution	D	To plan a comprehensive programme for the prevention, control or abatement of air pollution and to secure the execution thereof

Q. 62	If the offence is committed by company under the Water (Prevention and Control of Pollution) act, 1974, who is liable?		
	A	Person in-charge of a company	C Manager
	B	MD of a company	D Director
Q. 63	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)	Defining scope of EIA	i Critical Assessment of impacts
	(b)	Identification of impacts	ii Estimation of the probability that a particular impact will occur
	(c)	Prediction of Impacts	iii Description of the existing environment system
	(d)	Impact Evaluation and Analysis	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		
Q. 64	The minimum penalty for contravention or violation of any provision of the Environment (Protection) Act, 1986 is		
	A	an imprisonment for a term which may extend to seven years or fine up to one lakh rupees, or both	C an imprisonment for a term which may extend to six years or fine up to two lakh rupees, or both
	B	an imprisonment for a term which may extend to five years or fine up to one lakh rupees, or both	D an imprisonment for a term which may extend to five years or fine up to two lakh rupees, or both
Q. 65	Following stage is not involved in the environmental clearance process for new projects.		
	A	Scoping	C Survey by the State Pollution Control Board
	B	Public Consultation	D Appraisal

Q. 66	Which among the following multilateral convention seeks to protect the human health and environment from Persistent Organic Pollutants (POPs)?			
	A	Bonn Convention	C	Rotterdam Convention
	B	Stockholm Convention	D	Basel Convention
Q. 67	The theme of the United Nations Conference on Environment and Development (UNCED) Rio de Janeiro, 1992 was _____.			
	A	Greenhouse gas emissions	C	Understanding Climate Finance
	B	Sustainable Innovation	D	Environment and sustainable development
Q. 68	Kyoto is to carbon dioxide as Montreal is to _____.			
	A	nitrous oxide	C	chlorofluorocarbon
	B	ozone	D	methane
Q. 69	Which of these pairs are correctly matched?			
	1	Minamata convention: mercury		
	2	Stockholm convention: persistent organic pollutants		
	3	Basel convention: lead		
	Select the correct answer using the codes given below.			
	A	1 and 2 only	C	2 and 3 only
	B	1 and 3 only	D	1,2 and 3
Q. 70	Which of the following was the first international convention on Environment?			
	A	Stockholm Convention	C	Johnesburg Convention
	B	Rio Convention	D	Montreal Convention
Q. 71	Match the following as per requirement of environmental clearance			
	Stages of EC		Duration /Activity	
	A	Screening	I	Only for Category 'B' projects and activities
	B	Scoping	II	45 days
	C	Public Consultation	III	Appraisal and EC granting
	D	Appraisal and EC granting	IV	60 days
	A	A(I),B(IV),C(II),D(III)	C	A(II),B(III),C(IV),D(I)
	B	A(II),B(I),C(IV),D(III)	D	A(I),B(II),C(IV),D(III)
Q. 72	EIA is necessary for			
	A	Evaluate adverse or beneficial effects of project.	C	Recommendations for Minimizing, mitigating and or compensating adverse effects/ impacts.
	B	Assessment of impacts of developmental Activities.	D	All of above are correct.

Q. 73				Content of cover pages of EIA report should not include following			
A		NABET approval number		C		NABL approval number	
B		MoEF approval		D		Consultants name	
Q. 74				Following is not the part of EIA core value			
A		Integrity		C		Sustainability	
B		Utility		D		Suitability	
Q. 75				Match the following as per Generic steps of EIA			
				Steps of EIA		Function/ Activities	
A		Screening		I		Identifies significant impact areas	
B		Scoping		II		Decides the requirements of EIA	
C		Baseline data collection		III		Plan for reducing impact	
D		Mitigation and environment management		IV		Collecting all the information	
A		A(I),B(IV),C(II),D(III)		C		A(II),B(III),C(IV),D(I)	
B		A(II),B(I),C(IV),D(III)		D		A(I),B(II),C(IV),D(III)	
Q. 76				The Summary of EIA should necessarily cover following Chapters of the full EIA Report:			
A		Anticipated Environmental impacts and mitigation measures		C		Both of above information should be included	
B		Environmental Monitoring Plan and Program		D		Any one of above information to be included	
Q. 77				Technical aspects of monitoring the effectiveness of mitigation measures for Environmental Monitoring Program include			
A		Measurement methodologies		C		Detailed budget & procurement schedules	
B		Frequency, location, data analysis, reporting schedules, emergency procedures,		D		All of above	
Q. 78				An EIA mechanism can apply to projects, in the following order of priority			
a		Avoid adverse environmental impacts					
b		Minimize and control adverse environmental impacts					
c		Mitigate adverse environmental impacts					
A		a,b,c		C		c,a,b	
B		b,a,c		D		c,b,a	

Q. 79	Board that gives recognition to organizations to conduct EIA studies			
	A	NABC	C	NAAC
	B	NABL	D	NABET
Q. 80	Which of the following don't lie within the objectives of Environmental Management Plan?			
	A	To ensure the mitigation measures are implemented	C	To monitor the effectiveness of mitigation measures
	B	To establish systems and procedures for this purpose	D	Don't take necessary action when unforeseen impact occur
Q. 81	Which of the following personalities have won the 2016 Nobel Prize in Physics?			
	A	David Thouless, Duncan Haldane and Michael Kosterlitz	C	Andre Geim and Konstantin Novoselov
	B	Serge Haroche and David J Wineland	D	Saul Perlmutter, Brian P Schmidt and Adam Riess
Q. 82	Who has won the 2016 Nobel Prize in Physiology or Medicine?			
	A	Shinya Yamanaka	C	Yoshinori Ohsumi
	B	Youyou Tu	D	Christian de Duve
Q. 83	Who has been named for 2016 Lata Mangeshkar Award for Lifetime Achievement?			
	A	Vinod Tawde	C	Uttam Singh
	B	Mohammad Safi	D	Prabhakar Jog
Q. 84	"Abhaneri" festival was held in which state of India?			
	A	Andhra Pradesh	C	Himachal Pradesh
	B	Kerala	D	Rajasthan
Q. 85	The India Sanitation Conference (INDOSAN) held in which of the following cities?			
	A	Gandhinagar	C	New Delhi
	B	Jaipur	D	Lucknow
Q. 86	The 2016 World Economic Forum (WEF) India Economic Summit has started in which city of India?			
	A	Pune	C	Ahmedabad
	B	New Delhi	D	Chandigarh

Q. 87	The book "Night of Fire" has been authored by whom?			
	A	Jung Chang	C	Arundhati Roy
	B	Colin Thubron	D	Tim Tigner
Q. 88	K Madhavan, who recently passed away, was related to which field?			
	A	Marine Scientist	C	Freedom fighter
	B	Sportsperson	D	Journalist
Q. 89	Who has been appointed as the new Indian Ambassador to the United States?			
	A	Arun Singh	C	Taranjit Singh Sandhu
	B	Navtej Sarna	D	YashSinha
Q. 90	The book "The Orphanage of Words" has been authored by whom?			
	A	AmitavGhosh	C	Chetanbhatgat
	B	Shinie Antony	D	AntaraDevSen
Q. 91	The Phulwari Wildlife Sanctuary is located in which State of India?			
	A	Gujarat	C	Uttar Pradesh
	B	Rajasthan	D	Odisha
Q. 92	Dr. Salim Ali Bird Sanctuary is located in which State of India?			
	A	Goa	C	Tripura
	B	Odisha	D	Manipur
Q. 93	AB, DEF, HIJK, ?, STUVWX			
	A	MNOPQ	C	LMNO
	B	LMNOP	D	QRSTU
Q. 94	Sorrow: Death: : Happiness : ?			
	A	Love	C	Cry
	B	Dance	D	Birth
Q. 95	Find the odd one out			
	A	Rose	C	Jasmine
	B	Lotus	D	Dahlia
Q. 96	12 men can complete a piece of work in 4 days, while 15 women can complete the same work in 4 days. 6 men start working on the job and after working for 2 days, all of them stopped working. How many women should be put on the job to complete the remaining work, if it is to be completed in 3 days?			
	A	16	C	18
	B	15	D	19

Q. 97	The prices of scooter and television set are in the ratio of 3:2. If scooter costs Rs. 6000 more than television set, the price of television set is –			
	A	Rs. 18,000	C	Rs. 10,000
	B	Rs. 12,000	D	Rs. 6000
Q. 98	10 % of 20 + 20 % of 10 =?			
	A	10 % of 20	C	1 % of 200
	B	20 % of 10	D	2 % of 200
Q. 99	There are 4 horizontal and 4 vertical lines on a board. What is the maximum rectangles and squares that can be formed?			
	A	16	C	36
	B	24	D	42
Q. 100	Geeta, Mona and Sita are three cousins, Geeta and Mona are of the same age and sum of the ages of three cousins' is five times the age of Sita. Three years ago Geeta's age was thrice the age of Sita. What will be Sita's age after four years?			
	A	8 years	C	7 years
	B	10 years	D	2 years

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	A	Complete	C	Presumptive
	B	Confirmed	D	All of the above
Q. 29	The shape of bacillus bacteria is _____ type.			
	A	Rod	C	Spiral
	B	Spherical	D	All of the above
Q. 30	In COD test which indicator is used ?			
	A	Potassium permanganate	C	Ferrouin
	B	Starch	D	Potassium
Q. 31	_____ hardness contains cations and anions associated with sulfate, chloride & nitrate.			
	A	Noncarbonate	C	Pseudo
	B	Carbonate	D	Total
Q. 32	The ignition temperature for volatile solids is _____ °C.			
	A	100	C	550
	B	180	D	250
Q. 33	Fine screens have pore size _____ .			
	A	Less than 6mm	C	150mm to 200mm
	B	6mm to 150mm	D	More than 200mm
Q. 34	The angle of inclination for tube settler is _____ .			
	A	90° to 120°	C	45° to 60°
	B	60° to 90°	D	10° to 45°
Q. 35	Turbine mixers are used in effluent treatment for _____ .			
	A	Aeration	C	Keeping material in suspension
	B	Mixing of chemicals	D	All of the above
Q. 36	The minimum velocity at which resuspension of sludge occur from sludge zone of sedimentation tank is _____.			
	A	Terminal settling velocity	C	Horizontal velocity of water
	B	Scour velocity	D	Upflow velocity

Q. 37	In porous type of diffusers, oxygen transfer efficiency may decrease because of _____.			
	A	Exterior fouling	C	A & B both
	B	Internal fouling	D	None of the above
Q. 38	Which of the following is responsible for rising of sludge in secondary settling tank?			
	A	Presence of filamentous microbes	C	Denitrification
	B	Nitrification	D	Chlorination
Q. 39	_____ is used to determine optimum coagulant dose in laboratory.			
	A	Magnetic stirrer	C	Inhoff cone
	B	Jar test apparatus	D	Colorimeter
Q. 40	The graph of adsorption isotherms represents extent of adsorption versus concentration at _____.			
	A	Constant pressure	C	Constant temperature
	B	constant volume	D	Vacuum condition
Q. 41	Which law is related with diffusion of gases?			
	A	Boyle's	C	Gay-Lussac's
	B	Graham's	D	Charle's
Q. 42	Alkalinity in water is expressed in terms of _____.			
	A	CaO	C	CaCO ₃
	B	Ca(OH) ₂	D	Ca(HCO ₃) ₂
Q. 43	Effective coagulation requires _____ of alkalinity.			
	A	Presence	C	Absence
	B	Insensitive to presence or absence	D	None of the above
Q. 44	Flocculators are _____.			
	A	Sedimentation units	C	Slow stirring devices
	B	Instantaneous mixing devices	D	Chemical feeding devices
Q. 45	The minimum dissolved oxygen required in water to save the aquatic life is _____.			
	A	1mg/l	C	4mg/l
	B	2mg/l	D	8mg/l

Q. 46	Osmosis is the movement of a ____ through a membrane.			
	A	Solute	C	Solvent
	B	Gas	D	Solid
Q. 47	_____ law relates the absorption of liquid to the thickness of colored liquid.			
	A	Lembert's	C	Beer's
	B	Hazen	D	Ferrady
Q. 48	The shifting of equilibrium in response to a change of concentration during chemical reaction is principle of _____.			
	A	Raoult's law	C	Gay-Lussac's law
	B	Le Chartelier's law	D	Henry's law
Q. 49	_____ is used to recover sodium hydroxide from industrial wastes which is contaminated with organic substance.			
	A	Dialysis	C	Osmosis
	B	Electro oxidation	D	Electro coagulation
Q. 50	_____ have the power to change the rate of chemical reaction.			
	A	Catalyst	C	Enzymes
	B	Indicators	D	Buffer
Q. 51	Modified West-Gaeke colorimetric procedure is used to determine			
	A	NO _x	C	SO ₂
	B	CO ₂	D	CO
Q. 52	Particulate pollutants of ambient air is expressed in terms of			
	A	PM ₁₀	C	A & B both
	B	PM _{2.5}	D	PM ₁₀₀
Q. 53	The sample collection during stack monitoring can be achieved by			
	A	Iso-kinetic sampling	C	Quiescent
	B	Turbulent	D	None of the above
Q. 54	_____ toxicity test are short duration test.			
	A	Chronic	C	Renewal
	B	Acute	D	Recirculation
Q. 55	_____ is commonly used as a test organism in toxicity test.			
	A	Bacteria	C	Plants
	B	Fish	D	flowers

Q. 56	Chapter 3 of Environment (Protection) Act, 1986 deals with			
	A	General Powers of the Central Government	C	Miscellaneous
	B	Prevention, Control, and Abatement of Environmental Pollution	D	Preliminary
Q. 57	The provisions of environmental protection in the constitution were made under:			
	A	Article 5-A	C	Article 27-B (h)
	B	Article 21-B	D	Article 48-A and Article 51-A (g)
Q. 58	Which of the section of the Air (Prevention And Control Of Pollution) Act, 1981 carries the functions of Central Board:			
	A	Section 16	C	Section 25
	B	Section 19	D	Section 24
Q. 59	Following is not a objective of the National Environment Policy, 2006.			
	A	Conservation of Critical Environmental Resources	C	Enhancement of Resources for Environmental Conservation
	B	Efficiency in Environmental Resource Use	D	Economic Growth and Sustainable Development
Q. 60	According to EIA notification, All Category 'A' and Category B1 projects or activities shall undertake Public Consultation, except the following:-			
	i	all Category 'B2' projects and activities.		
	ii	modernization of irrigation projects		
	iii	of land.		
	iv	Townships		
	A	Only (i)	C	Only (ii) and (iii)
	B	Only (i) and (ii)	D	All of above
Q. 61	Following is not the function of the State Boards under the Air Act, 1981?			
	A	To collect and disseminate information relating to air pollution	C	Lay down standards for the quality of air in the state
	B	To advise the State Government on any matter concerning the prevention, control or abatement of air pollution	D	To plan a comprehensive programme for the prevention, control or abatement of air pollution and to secure the execution thereof

Q. 62	If the offence is committed by company under the Water (Prevention and Control of Pollution) act, 1974, who is liable?		
	A	Person in-charge of a company	C Manager
	B	MD of a company	D Director
Q. 63	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)	Defining scope of EIA	i Critical Assessment of impacts
	(b)	Identification of impacts	ii Estimation of the probability that a particular impact will occur
	(c)	Prediction of Impacts	iii Description of the existing environment system
	(d)	Impact Evaluation and Analysis	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		
Q. 64	The minimum penalty for contravention or violation of any provision of the Environment (Protection) Act, 1986 is		
	A	an imprisonment for a term which may extend to seven years or fine up to one lakh rupees, or both	C an imprisonment for a term which may extend to six years or fine up to two lakh rupees, or both
	B	an imprisonment for a term which may extend to five years or fine up to one lakh rupees, or both	D an imprisonment for a term which may extend to five years or fine up to two lakh rupees, or both
Q. 65	Following stage is not involved in the environmental clearance process for new projects.		
	A	Scoping	C Survey by the State Pollution Control Board
	B	Public Consultation	D Appraisal

Q. 66	Which among the following multilateral convention seeks to protect the human health and environment from Persistent Organic Pollutants (POPs)?			
	A	Bonn Convention	C	Rotterdam Convention
	B	Stockholm Convention	D	Basel Convention
Q. 67	The theme of the United Nations Conference on Environment and Development (UNCED) Rio de Janeiro, 1992 was _____.			
	A	Greenhouse gas emissions	C	Understanding Climate Finance
	B	Sustainable Innovation	D	Environment and sustainable development
Q. 68	Kyoto is to carbon dioxide as Montreal is to _____.			
	A	nitrous oxide	C	chlorofluorocarbon
	B	ozone	D	methane
Q. 69	Which of these pairs are correctly matched?			
	1	Minamata convention: mercury		
	2	Stockholm convention: persistent organic pollutants		
	3	Basel convention: lead		
	Select the correct answer using the codes given below.			
	A	1 and 2 only	C	2 and 3 only
	B	1 and 3 only	D	1,2 and 3
Q. 70	Which of the following was the first international convention on Environment?			
	A	Stockholm Convention	C	Johnesburg Convention
	B	Rio Convention	D	Montreal Convention
Q. 71	Match the following as per requirement of environmental clearance			
	Stages of EC		Duration /Activity	
	A	Screening	I	Only for Category 'B' projects and activities
	B	Scoping	II	45 days
	C	Public Consultation	III	Appraisal and EC granting
	D	Appraisal and EC granting	IV	60 days
	A	A(I),B(IV),C(II),D(III)	C	A(II),B(III),C(IV),D(I)
	B	A(II),B(I),C(IV),D(III)	D	A(I),B(II),C(IV),D(III)
Q. 72	EIA is necessary for			
	A	Evaluate adverse or beneficial effects of project.	C	Recommendations for Minimizing, mitigating and or compensating adverse effects/ impacts.
	B	Assessment of impacts of developmental Activities.	D	All of above are correct.

Q. 73	Content of cover pages of EIA report should not include following			
	A	NABET approval number	C	NABL approval number
	B	MoEF approval	D	Consultants name
Q. 74	Following is not the part of EIA core value			
	A	Integrity	C	Sustainability
	B	Utility	D	Suitability
Q. 75	Match the following as per Generic steps of EIA			
	Steps of EIA		Function/ Activities	
	A	Screening	I	Identifies significant impact areas
	B	Scoping	II	Decides the requirements of EIA
	C	Baseline data collection	III	Plan for reducing impact
	D	Mitigation and environment management	IV	Collecting all the information
	A	A(I),B(IV),C(II),D(III)	C	A(II),B(III),C(IV),D(I)
	B	A(II),B(I),C(IV),D(III)	D	A(I),B(II),C(IV),D(III)
Q. 76	The Summary of EIA should necessarily cover following Chapters of the full EIA Report:			
	A	Anticipated Environmental impacts and mitigation measures	C	Both of above information should be included
	B	Environmental Monitoring Plan and Program	D	
Q. 77	Technical aspects of monitoring the effectiveness of mitigation measures for Environmental Monitoring Program include			
	A	Measurement methodologies	C	Detailed budget & procurement schedules
	B	Frequency, location, data analysis, reporting schedules, emergency procedures,	D	All of above
Q. 78	An EIA mechanism can apply to projects, in the following order of priority			
	a	Avoid adverse environmental impacts		
	b	Minimize and control adverse environmental impacts		
	c	Mitigate adverse environmental impacts		
	A	a,b,c	C	c,a,b
	B	b,a,c	D	c,b,a

Q. 79	Board that gives recognition to organizations to conduct EIA studies			
	A	NABC	C	NAAC
	B	NABL	D	NABET
Q. 80	Which of the following don't lie within the objectives of Environmental Management Plan?			
	A	To ensure the mitigation measures are implemented	C	To monitor the effectiveness of mitigation measures
	B	To establish systems and procedures for this purpose	D	Don't take necessary action when unforeseen impact occur
Q. 81	Which of the following personalities have won the 2016 Nobel Prize in Physics?			
	A	David Thouless, Duncan Haldane and Michael Kosterlitz	C	Andre Geim and Konstantin Novoselov
	B	Serge Haroche and David J Wineland	D	Saul Perlmutter, Brian P Schmidt and Adam Riess
Q. 82	Who has won the 2016 Nobel Prize in Physiology or Medicine?			
	A	Shinya Yamanaka	C	Yoshinori Ohsumi
	B	Youyou Tu	D	Christian de Duve
Q. 83	Who has been named for 2016 Lata Mangeshkar Award for Lifetime Achievement?			
	A	Vinod Tawde	C	Uttam Singh
	B	Mohammad Safi	D	Prabhakar Jog
Q. 84	"Abhaneri" festival was held in which state of India?			
	A	Andhra Pradesh	C	Himachal Pradesh
	B	Kerala	D	Rajasthan
Q. 85	The India Sanitation Conference (INDOSAN) held in which of the following cities?			
	A	Gandhinagar	C	New Delhi
	B	Jaipur	D	Lucknow
Q. 86	The 2016 World Economic Forum (WEF) India Economic Summit has started in which city of India?			
	A	Pune	C	Ahmedabad
	B	New Delhi	D	Chandigarh

Q. 87	The book "Night of Fire" has been authored by whom?			
	A	Jung Chang	C	Arundhati Roy
	B	Colin Thubron	D	Tim Tigner
Q. 88	K Madhavan, who recently passed away, was related to which field?			
	A	Marine Scientist	C	Freedom fighter
	B	Sportsperson	D	Journalist
Q. 89	Who has been appointed as the new Indian Ambassador to the United States?			
	A	Arun Singh	C	Taranjit Singh Sandhu
	B	Navtej Sarna	D	YashSinha
Q. 90	The book "The Orphanage of Words" has been authored by whom?			
	A	AmitavGhosh	C	Chetanbhatgat
	B	Shinie Antony	D	AntaraDevSen
Q. 91	The Phulwari Wildlife Sanctuary is located in which State of India?			
	A	Gujarat	C	Uttar Pradesh
	B	Rajasthan	D	Odisha
Q. 92	Dr. Salim Ali Bird Sanctuary is located in which State of India?			
	A	Goa	C	Tripura
	B	Odisha	D	Manipur
Q. 93	AB, DEF, HIJK, ?, STUVWX			
	A	MNOPQ	C	LMNO
	B	LMNOP	D	QRSTU
Q. 94	Sorrow: Death: : Happiness : ?			
	A	Love	C	Cry
	B	Dance	D	Birth
Q. 95	Find the odd one out			
	A	Rose	C	Jasmine
	B	Lotus	D	Dahlia
Q. 96	12 men can complete a piece of work in 4 days, while 15 women can complete the same work in 4 days. 6 men start working on the job and after working for 2 days, all of them stopped working. How many women should be put on the job to complete the remaining work, if it is to be completed in 3 days?			
	A	16	C	18
	B	15	D	19

Q. 97	The prices of scooter and television set are in the ratio of 3:2. If scooter costs Rs. 6000 more than television set, the price of television set is –			
	A	Rs. 18,000	C	Rs. 10,000
	B	Rs. 12,000	D	Rs. 6000
Q. 98	10 % of 20 + 20 % of 10 =?			
	A	10 % of 20	C	1 % of 200
	B	20 % of 10	D	2 % of 200
Q. 99	There are 4 horizontal and 4 vertical lines on a board. What is the maximum rectangles and squares that can be formed?			
	A	16	C	36
	B	24	D	42
Q. 100	Geeta, Mona and Sita are three cousins, Geeta and Mona are of the same age and sum of the ages of three cousins' is five times the age of Sita. Three years ago Geeta's age was thrice the age of Sita. What will be Sita's age after four years?			
	A	8 years	C	7 years
	B	10 years	D	2 years

Q. 1	Beer's Law states that			
	A	Absorbance is proportional to the log of the concentration of the absorbing species	C	Absorbance is proportional to both the path length and concentration of the absorbing species
	B	Absorbance is inversely proportional to log of concentration of absorbing medium.	D	Absorbance is equal to P_0 / P

Q. 2	Which of the following gas is suitable for Gas Chromatography?			
	A	Hydrogen	C	Nitrogen
	B	Helium	D	All of the above

Q. 3	Turbidity is an important consideration for public water supplies because of following reasons			
	A	Aesthetics	C	Disinfection
	B	Filterability	D	All of the above

Q. 4	The most common reason of acidity in water is			
	A	Carbon dioxide	C	Oxygen
	B	Nitrogen	D	Hydrogen

Q. 5	Hydroxide Alkalinity of water is determined by using indicator			
	A	Phenolphthalein	C	Methyl red
	B	Methyl orange	D	Phenol red

Q. 6	The major portion of alkalinity in natural water is caused by			
	A	Carbonate	C	Hydroxides
	B	Bicarbonates	D	All of the above

Q. 7	Match the degree of hardness with their corresponding concentrations			
	Degree of Hardness		mg/L as CaCO₃	
	I	0-75	a	Soft
	II	75-150	b	Hard
	III	150-300	c	Very hard
	IV	300 up	d	Moderately hard
	A	I(a),II(d),III(b),IV(c)	C	I(b),II(a),III(d),IV(c)
	B	I(a),II(b),III(c),IV(d)	D	I(d),II(c),III(b),IV(a)

Q. 8	Match the following ambient air quality parameter with their respective methods			
	Parameter		Method	
	I	Sulphur Dioxide (SO ₂)	a	Gravimetric
	II	Nitrogen Dioxide (NO ₂)	b	Non dispersive Infrared Spectroscopy
	III	Carbon Monoxide(CO)	c	Improved West and Gaeke Method
	IV	Particulate Matter (PM _{2.5})	d	Jacob & Hochheiser modified Method
	A	I(d),II(a),III(b),IV(c)	C	I(c),II(d),III(b),IV(a)
	B	I(d),II(b),III(a),IV(c)	D	I(d),II(a),III(c),IV(b)

Q. 9	AAS/ICP Method can be used for measurement of following pollutants in ambient air.			
	A	Nickel(Ni)	C	Lead (Pb)
	B	Arsenic (As)	D	All of the above

Q. 10	Match the following ambient air quality parameter with their respective absorbing solution			
	Parameter		Absorbing Solution	
	I	Sulphur Dioxide (SO ₂)	a	1% KI in 0.1M Phosphate Buffer
	II	Nitrogen Dioxide (NO ₂)	b	Sulphuric Acid
	III	Ammonia	c	Potassium Tetrachloro mercurate
	IV	Ozone (O ₃)	d	Sodium hydroxide and sodium Arsenite
	A	I(d),II(b),III(a),IV (c)	C	I(d),II(a),III(c),IV(b)
	B	I(c),II(d),III(b),IV(a)	D	I(d),II(a),III(b),IV (c)

Q. 11	Which of the following used as an Absorbing solution for the Stack Monitoring of Ammonia?			
	A	Sulphuric Acid	C	Sodium Hydroxide
	B	Mercuric Chloride	D	KI in Phosphate Buffer

Q. 12	The principle forms of Fluoride is added to public water supplies			
	A	Ammonium Silicofluoride	C	Hydro Fluorosilicic acid
	B	Sodium Silicofluoride	D	All of the above

Q. 13	COD determination is always advantageous over BOD determination			
	A	Results can be obtained 3-4 hr over 3-5 days	C	Results are more precise
	B	Results are unaffected by interferences	D	All the above are correct

Q. 14	Biochemical oxygen demand is used for measurement of oxygen			
	A	Organic materials (Carbonaceous)	C	Organic materials, inorganic materials as well as reduced form of nitrogen
	B	Inorganic materials (Sulphides and Ferrous ions)	D	Only (a) and (b) correct.

Q. 15	Analysis of Dissolved Oxygen (DO) is key test for water pollution control. Which of the following statement is incorrect with reference to Dissolved Oxygen test?			
	A	Oxygen is an important factor in corrosion	C	DO is necessary for all aerobic biological wastewater treatment processes.
	B	DO test is the basis of Biochemical Oxygen Demand(BOD)	D	DO is independent of all.

Q. 16	Match the following			
	Parameter		Method for determination	
	I	BOD	a	Open Reflux Method
	II	COD	b	Winkler-Azide Modification Method
	III	Dissolve Oxygen	c	Ion Selective Electrode
	IV	Fluoride	d	Respirometric Method
	A	I(d),II(b),III(a),IV(c)	C	I(d),II(a),III(b),IV(c)
	B	I(a),II(d),III(b),IV(c)	D	I(d),II(a),III(c),IV(b)

Q. 17	Which dye is used in modified Jacob and Hochheiser method for analysis of Nitrogen dioxide in ambient air?			
	A	Pararosaniline	C	NEDA
	B	Iodine	D	Sulphanilamide

Q. 18	Match the following ambient air quality parameter as per their analysis requirement			
	Parameter		Analysis requirement	
	I	PM _{2.5}	a	NEDA
	II	PM ₁₀	b	Pararosaniline
	III	Sulphur Dioxide	c	Teflon based filter media
	IV	Oxide of Nitrogen	d	Glass fiber based
	A	I(d),II(a),III(b),IV(c)		C
B	I(d),II(b),III(a),IV(c)		D	I(d),II(a),III(c),IV(b)

Q. 19	A reaction, at equilibrium, will adjusted itself in such a way to relieve any force that disturb the equilibrium			
	A	Henry's Law	C	Le-Chatelier
	B	Graham's Law	D	Gay-lussac law

Q. 20	Which type of organism is used in Bio Monitoring?			
	A	Macro Invertebrates	C	Mammals
	B	Micro Invertebrates	D	None of them

Q. 21	With reference to Bio-monitoring study, match the range of Saprobic Score with their respective indicator colour			
	Saprobic Score		Indicator Colour	
	I	0-2	a	Green
	II	3-6	b	Red
	III	6-7	c	Blue
	IV	7 and more	d	Light Blue
	A	I(a),II(b),III(c),IV(d)		C
B	I(d),II(b),III(c),IV(a)		D	I(b),II(a),III(d),IV(c)

Q. 22	The process of accumulating higher and higher doses through the food chain is called			
	A	Biomagnification	C	Biofiltration
	B	Bioaccumulation	D	None of above

Q. 23	Which of the following is used as antiknock compound in gasoline?			
	A	tetramethyl lead	C	trimethyl lead
	B	tetraethyl lead	D	triethyl lead

Q. 24	Terms "Isokinetic sampling" is applicable to			
	A	Ambient Air Monitoring	C	Stack Emission Monitoring
	B	Process Stack Monitoring	D	Particulate Emission Monitoring of Stack.

Q. 25	Which absorbing media is used for sampling of NO₂ in Ambient Air			
	A	H ₂ O ₂	C	Solution of Sodium Hydroxide and Sodium Arsenite
	B	NaOH	D	Potassium Tetrachloromercurate

Q. 26	It is advisable that the submission of a professionally prepared ___ EIA in the first instance would generally be the more efficient approach.			
	A	Rapid	C	Risk
	B	Comprehensive	D	All of these

Q. 27	Risk assessment include,			
	A	Maximum Credible Accident (MCA) analysis	C	Hazard & Operability (HAZOP) studies
	B	Consequence analysis	D	All of these

Q. 28	Executive Summary of the EIA report is prepared by			
	A	the Impact Assessment Agency (IAA)	C	the State Pollution Control Board (PCB)
	B	the Project Proponent	D	the Appellate Authority of India (AAI)

Q. 29	With respect to EIA, the following terms represent _____ ISCST2, PTMAX, PTDIS, MPTER			
	A	Impact Prediction models: Noise Environment	C	Impact Prediction models: Air Environment
	B	Impact Prediction models: Water Environment	D	Impact Prediction models: Socio-economic Environment

Q. 30	If a person applies for consent to discharge industrial effluents, but receives no response from State Pollution Control Board then how long he should wait to assume the 'unconditional consent'?			
	A	2 months	C	4 months
	B	6 months	D	8 months

Q. 31	Under the Air (P&CP) Act, 1981 central board may			
	1	carry out and sponsor investigations and research relating to problems of air pollution and prevention		
	2	co-ordinate the activities of the state and resolve disputes among them		
	3	plan and cause to be executed a nation-wide programme for the prevention, control or abatement of air pollution		
	Please select correct statement/s			
A	only 1	C	both 1 & 3	
B	only 3	D	All	

Q. 32	Under the Water (Prevention and Control) Cess Act, 1997, a cess has to be paid for water consumed by			
	A	all industries	C	certain industries only
	B	certain industries and local authorities	D	local authorities and all industries

Q. 33	The central and state board for prevention and control of pollution were first constituted under which law?			
	A	The environment (protection) Act, 1986	C	The air (prevention and control of pollution) Act, 1981
	B	The water (prevention and control of pollution) Act 1974	D	None of these

Q. 34	The Rio Declaration on Environment and Development, often shortened to Rio Declaration, was a short document produced at the 1992 United Nations "Conference on Environment and Development" (UNCED), informally known as the			
	A	Sustainable Earth Summit	C	Sustainable Development Summit
	B	Earth Summit	D	Climate Change Summit

Q. 35	The seventh Secretary-General of the United Nations from January 1997 to December 2006, Kofi Annan, quoted as saying that "perhaps the single most successful international agreement to date has been the _____			
	A	Helsinki Declaration, also known as Sustainable Development Declaration	C	Montreal Protocol
	B	Kyoto Protocol	D	Climate Change Treaty under Stockholm Convention

Q. 36	Article 21 of constitution of India provides for ____.			
	A	Equality of Opportunity	C	Protection against water pollution
	B	Right to Life	D	Right to Freedom

Q. 37	____ is known as an "Umbrella Act".			
	A	The Water Act 1974	C	The Air Act 1981
	B	The Environmental (Protection) Act 1986	D	The Indian Forest Act 1927

Q. 38	Section 33A under Water Act,1974 provides for			
	A	Issues of directions to the defaulter	C	Collection and analysis of water or effluent samples
	B	Appeal	D	Revision

Q. 39	According to Biomedical Waste Rules, 1998 the discarded medicines and cytotoxic drugs should be collected in ____ color bag.			
	A	black	C	blue
	B	yellow	D	red

Q. 40	Which of the following is not the purpose of baseline monitoring in EIA?			
	A	To identify Environmental Significant Factors	C	To assess the existing Environmental Quality
	B	To provide sufficient information to decision makers	D	To estimate Project cost

Q. 41	According to Hazardous Waste (Management and Handling Rules), 1989 manifest means			
	A	Any trans-boundary movement of hazardous waste	C	Transporting documents prepared and signed by the occupier
	B	Vehicles that transport hazardous waste	D	Place for collection, reception, and treatment of hazardous waste

Q. 42	Physical attribute of surface water include all of the below except			
	A	Floating Solids	C	Rate of discharge of streams
	B	Pathogens	D	Depth o Stream

Q. 43	From time to time the Central Government issues notifications under			
	A	The Water Act	C	The Air Act
	B	The Environmental Protection Act	D	The PLI Act

Q. 44	The UN Conference on Environment and Development (UNCED) was held in			
	A	Kyoto in 1972	C	Stockholm in 1999
	B	Nairobi in 2002	D	Rio - de- Janeiro in 1992

Q. 45	_____ aims to address the problems of anthropogenic climate change.			
	A	Kyoto Protocol	C	Montreal Protocol
	B	Earth Summit	D	Rio - de- Janeiro Convention

Q. 46	The UN Conference on Population and Development was held in _____ , 1994.			
	A	Cairo, Egypt	C	Kyoto, Japan
	B	Stockholm, Sweden	D	Nairobi, Kenya

Q. 47	According to Solid Waste Management Rules, 2016 discarded paint drums, CFL bulbs, tubelights, expired medicines etc. are defined as			
	A	Combustible waste	C	Domestic Hazardous Waste
	B	Dry Waste	D	Refused derived fuel

Q. 48	A state level Environment Impact Assessment Authority comprises of how many members?			
	A	5	C	3
	B	7	D	6

Q. 49	Which are the correct stages for EC process?		
	A	Screening==>Scoping ==>Appraisal==>Public Consultation	C
B	Scoping==>Screening ==>Appraisal==>Public Hearing	D	Scoping==>Screening==> Appraisal==>Public Consultation

Q. 50	For which type of developmental activity/project, the public consultation is exempted?		
	A	Expansion of National Highway and Road	C
B	Oil and Gas transportation pipe line	D	Ship breaking yards including ship breaking

Q. 51	Which authority is responsible to conduct Public Consultation under EIA notification, 2006?		
	A	SEIAA	C
B	MoEFCC	D	SPCB

Q. 52	Out of following, which activity is not exempted from Environmental Clearance?		
	A	Digging of well for irrigation or drinking water	C
B	Digging of foundation for buildings	D	Expansion of national highway and road

Q. 53	A State board consist _____ members under Air Act - 1981.		
	A	15	C
B	17	D	14

Q. 54	Under Water Act - 1974, the application made is deemed granted on the expiry of how many days?		
	A	90	C
B	45	D	30

Q. 55	Under Water Act - 1974 & Air Act -1981 the meeting of board shall be meet at least		
	A	Every three months	C
B	Half Yearly	D	Quarterly

Q. 56	For the management of hazardous and other wastes, which is the most desirable option			
	A	Reuse	C	Safe disposal
	B	Co-processing	D	Minimization

Q. 57	Construction and Demolition Waste Management Rules notified in the year			
	A	2016	C	2017
	B	2000	D	1986

Q. 58	The first Bio-Medical Waste (Management & Handling) Rules notified in the country in the year			
	A	1989	C	2000
	B	1998	D	1981

Q. 59	As per Plastic Waste Management Rules 2016, carry bag made of virgin or recycled plastic shall not be less than			
	A	20 Micro thickeners	C	50 Micro thickeners
	B	40 Micro thickeners	D	30 Micro thickeners

Q. 60	The phase Extended Producer Responsibility (EPR) is defined in the following Rules			
	A	Bio-Medical Waste Management Rules	C	Hazardous and other Waste Management Rules
	B	E-Waste Management Rules	D	None of the above

Q. 61	Highest number of TSDF exist in			
	A	Maharashtra	C	Gujarat
	B	Tamil Nadu	D	Andhra Pradesh

Q. 62	Instrument used for measuring calorific value of waste			
	A	Gas Chromatography	C	Flame photometer
	B	AAS	D	Bomb calorimeter

Q. 63	The major pollutant in domestic sewage is			
	A	Sulphate	C	Organic matter
	B	Mercury	D	Chromium

Q. 64	A compound is 86% carbon and 14% hydrogen by mass. What is the empirical formula for this compound			
	A	CH	C	CH ₃
	B	CH ₂	D	CH ₄

Q. 65	The phase change represented by the equation $I_2(s) \rightleftharpoons I_2(g)$ is called			
	A	Sublimation	C	Melting
	B	Condensation	D	Boiling

Q. 66	Identify which is not matching with the rest?			
	A	Electrostatic Precipitator	C	Trickling filter
	B	Cyclone	D	Bag filter

Q. 67	Gas released from Vehicles due to incomplete combustion of fuel is			
	A	SO ₂	C	CO
	B	CO ₂	D	NO ₂

Q. 68	Pitot tube is used to measure			
	A	Displacement	C	Vacuum
	B	Flow velocity	D	RPM

Q. 69	The incombustible part in a solid fuel is			
	A	Carbon	C	Silicates
	B	Hydrogen	D	Sulphur

Q. 70	Which group contains only highly air polluting industries			
	A	Cement, Distillery, Sugar	C	Tannery, Pharmaceutical, Petrochemical
	B	Cement, Thermal Power Plant, Distillery	D	Cement, Foundry, Thermal Power Plant

Q. 71	National Ambient Air Quality standard have been notified for how many parameters?			
	A	12	C	4
	B	5	D	8

Q. 72	If a power plant consumes daily coal of 550 ton with 0.6% of sulphur content, what is the amount of sulphur dioxide is generated?			
	A	3.3 ton	C	0.33 ton
	B	6.6 ton	D	0.66 ton

Q. 73	Complete combustion of cyclohexane (C ₆ H ₁₂) is represent by the equation $C_6 H_{12} + xO_2 \rightleftharpoons y CO_2 + z H_2O$, the Value of x, y and z respectively are			
	A	9,6,6	C	10,6,4
	B	6,12,10	D	4,8,12

Q. 74	Identify the wrong statement in the following:			
	A	Chlorocarbons are responsible for Ozone layer depletion	C	Ozone layer does not permit infrared radiation from the sun to reach the earth
	B	Greenhouse effect is responsible for Global warming	D	Acid rain is mostly because of oxides of nitrogen and sulphur

Q. 75	On converting 25⁰C, 38⁰C and 66⁰C to kelvin scale, the correct answer will be			
	A	298 K, 311 K and 339 K	C	273 K, 286 K and 314 K
	B	325 K, 338 K and 366 K	D	273 K, 311 K and 339 K

Q. 76	Due to sea water intrusion in ground water			
	A	The BOD of groundwater increases	C	The BOD of groundwater decreases
	B	The TDS of groundwater increases	D	The TDS of groundwater decreases

Q. 77	National Green Tribunal western branch located at			
	A	Mumbai	C	Ahmedabad
	B	Nagpur	D	Pune

Q. 78	Hard water contains large amount of			
	A	Lead	C	Calcium
	B	Sodium	D	Silicon

Q. 79	Sodium Adsorption Ratio (SAR) is an indicator of sustainability of water for use in			
	A	Drinking purpose	C	Dairy purpose
	B	Agriculture irrigation	D	Industrial purpose

Q. 80	The boundary between the standard zone and un-standard zone is called the			
	A	Water table	C	Porosity
	B	Aquifer	D	Aquiclude

Q. 81	Which number can be divided			
	A	9801	C	None
	B	11449	D	Both

Q. 82	if angles of a triangle are in proportion of 4:5:6 then find value of all angles			
	A	72, 60, 48	C	75, 50, 55
	B	90, 60, 30	D	None

Q. 83	At present, ratio of ages of mother and daughter is 8:3. After five years, the ratio shall become 9:4. Find age of mother at present.			
	A	50 Years	C	30 Years
	B	40 Years	D	None

Q. 84	Wheel of a bicycle moves 6250 rotations for going upto 11 kms, then find out diameter of the wheel.			
	A	36 cms	C	56 cms
	B	46 cms	D	None

Q. 85	To prepare a cone shaped tent having radius 7 meters and height 24 meters, how much fabric, having 2 meters width shall be required.			
	A	275 meters	C	550 meters
	B	375 meters	D	None

Q. 86	Mangrove forests in Gujarat State are located in			
	A	Marine National Park	C	Gir National Park
	B	Nal Sarovar Bird Sanctuary	D	Velavadar National Park

Q. 87	Movie "Mughal-E-Azam" was directed by			
	A	K. Asif	C	Ramanand Sagar
	B	A Nadiadwala	D	Madhubala

Q. 88	Which River is having origin in China?			
	A	Brahmaputra	C	Satlaj
	B	Sindhu	D	All

Q. 89	Who announced "Jai Jawan, Jai Kisan, Jai Vigyan"			
	A	Jawaharlal Nehru	C	Lal Bahadur Shastri
	B	Indira Gandhi	D	Atal Bihari Vajpayee

Q. 90	In which State, Mughalsarai Railway Station is located?			
	A	Uttarakhand	C	Uttar Pradesh
	B	Jharkhand	D	Bengal

Q. 91	In recent Rajya Sabha Election, which candidate did not win?			
	A	Shri Ahmed Patel	C	Shri Amit Shah
	B	Shri Balwant Sinh	D	Ms. Smruti Irani

Q. 92	Who is head of Pakistani Political party " Tehreek-E-Insaf "?			
	A	Imran Khan	C	Ayesha Gulalai
	B	Mahira Khan	D	Masood Khan

Q. 93	In which city " Eagleton Resort" is located?			
	A	Bengaluru	C	Hyderabad
	B	Mysore	D	Trivandrum

Q. 94	Recently, who has resigned from "Niti Ayog"?			
	A	Shri Arvind Panagariya	C	Shri P. Chidambaram
	B	Shri Arun Jetly	D	None

Q. 95	Shri Ajit Doval is			
	A	National Security Advisor of India	C	Governor of Asam
	B	National Financial Advisor of India	D	None

Q. 96	The first Satellite of India "Aryabhata" was prepared by			
	A	Shri Sarabhai	C	Shri Radha Krishnan
	B	Shri U.R. Rao	D	None

Q. 97	Who is appointed as Chief Coach of India Cricket Team?			
	A	Anil Kumbley	C	Zahir Khan
	B	Bharat Arun	D	Ravi Shastri

Q. 98	"Al Jazeera" news channel is conducted by Government of			
	A	UAE	C	Iraq
	B	Iran	D	Qatar

Q. 99	Physicist Einstein was belnoged to			
	A	Israel	C	France
	B	Turkey	D	None

Q. 100	who was the last Emperor of "Mughal empire" in india?			
	A	Bahadur Shah	C	Shah Jahan
	B	Babar	D	Jahangir