

Program: BE Chemical Engineering

Curriculum Scheme: Revised 2016

Examination: Third Year Semester VI

Course Code: CHC601 and Course Name: Environmental Engineering

Time: 1hour

Max. Marks: 50

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Q1.	Natural O ₃ is present in
Option A:	Troposphere
Option B:	Stratosphere
Option C:	Thermosphere
Option D:	Mesosphere
Q2.	Where is the head office of the Central Pollution Control Board?
Option A:	Mumbai
Option B:	Mysore
Option C:	Bangalore
Option D:	New Delhi
Q3.	The major contributor of Carbon monoxide is
Option A:	Motor vehicle
Option B:	Industrial processes
Option C:	Stationary fuel combustion
Option D:	Petroleum storage
Q4.	To determine organic nitrogen ----- method is used
Option A:	Kjeldahl method
Option B:	Vanadium method
Option C:	Stannous chloride method
Option D:	Ascorbic acid method
Q5.	What is the most abundant greenhouse gas in the atmosphere?
Option A:	Ethane
Option B:	Oxygen
Option C:	Water vapor
Option D:	Carbon dioxide
Q6.	The atmospheric oxygen is transfer in to water by -----
Option A:	Surface tension
Option B:	Heat transfer
Option C:	Diffusion
Option D:	Chemical Reaction

Q7.	_____ is the amount of oxygen required to oxidize only organic matter in sewage
Option A:	Turbidity
Option B:	BOD
Option C:	COD
Option D:	DO
Q8.	Most commonly used chemical for controlling the algae is -----
Option A:	Alum
Option B:	copper sulfate
Option C:	bleaching powder
Option D:	Lime
Q9.	BOD of domestic sewage is measured in _____
Option A:	ppm
Option B:	Kg/day
Option C:	Kg per person per day
Option D:	Number of persons per day
Q10.	When temporary hard water is boiled, one of the substances formed is -----
Option A:	Calcium bicarbonate
Option B:	Calcium sulfate
Option C:	Hydrogen chloride
Option D:	Carbon dioxide
Q11.	The oxidizing agent used in COD test is _____
Option A:	Potassium chloride
Option B:	Potassium per-manganate
Option C:	Potassium chromate
Option D:	Potassium dichromate
Q12.	Which of the following chemical is sometime added in the process of coagulation and flocculation?
Option A:	Aluminum oxide
Option B:	Calcium chloride
Option C:	Aluminum sulphate
Option D:	Calcium oxide
Q13.	Which of the following is a prime lake pollutant?
Option A:	Iodine
Option B:	Phosphorous
Option C:	Potassium
Option D:	Sodium

Q14.	Which of the following is not a secondary air pollutant?
Option A:	Ozone
Option B:	Photochemical smog
Option C:	Sulphur dioxide
Option D:	Nitrogen dioxide
Q15.	In which pollution zone of the river, growths of algae reappear?
Option A:	Zone of degradation
Option B:	Zone of recovery
Option C:	Zone of active decomposition
Option D:	Zone of clean water
Q16.	Which gas is mainly produced due to incomplete burning of wood?
Option A:	Carbon monoxide
Option B:	Carbon dioxide
Option C:	Sulphur dioxide
Option D:	Nitrogen oxides
Q17.	How many parameters are taken into consideration when measuring air quality, in India?
Option A:	4
Option B:	3
Option C:	8
Option D:	9
Q18.	Which is the major source for sulphur dioxide?
Option A:	Industries
Option B:	Volcanic eruptions
Option C:	Sewage treatment process
Option D:	Burning of petrol
Q19.	Fluorescence analysers are used to analyse which of the following gases?
Option A:	Nitrogen dioxide
Option B:	Sulphur dioxide
Option C:	Sulphur trioxide
Option D:	Nitrous oxide
Q20.	When Environmental Lapse Rate (ELR) is greater than Adiabatic Lapse Rate (ALR), then which of the following occurs?

Option A:	Sub adiabatic lapse rate
Option B:	Neutral lapse rate
Option C:	Super adiabatic lapse rate
Option D:	Adiabatic lapse rate
Q21.	Which of the following is the current major contributor to lead air pollution?
Option A:	Motor vehicles
Option B:	Waste incinerators
Option C:	Lead acid battery manufacturing unit
Option D:	Metal processing centre
Q22.	Which of the following fluid is used in wet scrubbers?
Option A:	Lime
Option B:	MgSO ₄
Option C:	NaCl
Option D:	K ₂ Cr ₂ O ₇
Q23.	The Water (Prevention and Control of Pollution) Act was enacted in the year:
Option A:	1986
Option B:	1974
Option C:	1994
Option D:	1975
Q24.	Which of the following methods is worst for the solid waste problem?
Option A:	Storage
Option B:	Land filling
Option C:	Burning
Option D:	Recycling
Q25.	As the temperature of water increases then
Option A:	Dissolved oxygen concentration increases
Option B:	No any effect on dissolved oxygen
Option C:	Dissolved oxygen concentration doubles
Option D:	Dissolved oxygen concentration decreases

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Question	Correct Option (Enter either 'A' or 'B' or 'C' or 'D')
Q1.	B
Q2.	D
Q3.	A
Q4	A
Q5	D
Q6	C
Q7	B
Q8.	D
Q9.	A
Q10.	D
Q11.	D
Q12.	C
Q13.	B
Q14.	C
Q15.	B
Q16.	A
Q17.	C

Q18.	B
Q19.	B
Q20.	C
Q21.	B
Q22.	A
Q23.	B
Q24.	D
Q25.	D