



**Mahavir Education Trust's**  
**SHAH & ANCHOR KUTCHHI ENGINEERING COLLEGE,**  
**Chembur, Mumbai - 400 088**

Examination: 2020

Curriculum Scheme CBGS(Rev-2012)

Examination: First year -I

Course Code: FEC106 Course Name- Environmental Chemistry

Time – 1 hour

Max Marks-50

For the students: All the questions are compulsory and carry equal marks

Q1.	Why acid – rains are caused ?
Option A:	Due to oxides of nitrogen and sulphur.
Option B:	Due to oxides of calcium and magnesium .
Option C:	Due to oxides of nitrogen and dust.
Option D:	Due to oxides of metals and sulphur.
Q 2.	Discarded computers, mobiles, TV sets, sound systems, PCBs of washing machines and refrigerators
Option A:	are sources of E-pollution
Option B:	are sources of air pollution
Option C:	are sources of water pollution
Option D:	are sources of noise pollution
Q 3.	Indoor pollution is Not caused due to
Option A:	Reduced ventilation
Option B:	Use of synthetic materials for building
Option C:	Cutting of trees.
Option D:	Construction of more tightly sealed buildings.
Q 4.	A linear sequence of organism through which nutrients and energy pass one organism eats another is a
Option A:	Food web
Option B:	Energy transfer.
Option C:	Food pyramid
Option D:	Concept of food chain
Q 5.	Following is Renewable energy source
Option A:	Petroleum oil.
Option B:	Solar energy

Option C:	Metal mines
Option D:	Charcoal
Q 6.	Which is Not the Role of Ministry of Environment and Forest (MoEF) in conservation of environment
Option A:	Planning, promotion, coordination for conservation.
Option B:	Protecting wild life.
Option C:	Conservation and survey of flora and fauna
Option D:	Conservation food.
Q 7.	A sustainable system or process is one that
Option A:	Can be continued indefinitely without depleting the material or energy resources required to keep it running.
Option B:	Persists over a time.
Option C:	Is carefully managed using sound ecological principles
Option D:	Will support as much harvesting as human wish to undertake.
Q 8.	Which of the following air pollution control device is suitable for removing finest dust from the air ?
Option A:	Cyclone separator
Option B:	Electrostatic precipitator
Option C:	Fabric filter
Option D:	Wet scrubber
Q 9.	Which of the following is NOT true about the terms “CARBON CREDITS”?
Option A:	Carbon credits are tradable permit scheme and can be exchanged between business es having short of quotas or below the quotas.
Option B:	These can not be bought and sold in the international /national market at Government controlled prices.
Option C:	A carbon credit gives the owner the right to emit one ton of carbon dioxide.
Option D:	The need arises because International treaties such as Kyoto Protocol set quotas on the amount of greenhouse gases that those countries can produce.
Q 10.	BOD stands for
Option A:	Biological Oxygen Demand
Option B:	Bio-Chemical Ozone Demand
Option C:	Bio-Chemical Oxygen Demand
Option D:	Biological Oxygen Defficiency
Q 11.	Which one is Not Function or power of Central Pollution Control Board
Option A:	Advise the Central Government on any matter concerning the prevention and control of water pollution
Option B:	Co-ordination with common public to control the activities of the State pollution control board.

Option C:	provide technical assistance and guidance to the State Boards, carry out investigations and research relating to problem of water pollution and prevention, control or abatement of water pollution.
Option D:	to issue, directions of a regulatory nature under section 31 A.
Q 12.	Van Mahotsav is an annual tree planting festival in India celebrated on
Option A:	1st July
Option B:	2 <sup>nd</sup> June
Option C:	1 <sup>st</sup> December
Option D:	15 <sup>th</sup> September
Q 13.	A ..... Is a diagram that shows the relative amount of energy or matter content within each trophic level in a food chain or food web.
Option A:	Ecological pyramid
Option B:	Biosphere
Option C:	Biome
Option D:	Green revolution
Q 14.	Which statement is not true for Electricity generated from wind energy
Option A:	Wind energy is the use of wind to provide mechanical power through wind turbines to turn electric generators for electrical power.
Option B:	Wind is sustainable source of energy
Option C:	Wind is Non- renewable source of energy.
Option D:	The wind is an intermittent energy source, which cannot be dispatched on demand.
Q 15.	Chapter 3 of Environment Protection Act ,1986 deals with
Option A:	General power of the Central Government
Option B:	Prevention, Control, and Abatement of environmental pollution
Option C:	Miscellaneous
Option D:	Preliminary
Q 16.	Which statement is not true for Resource utilization as per carrying capacity for sustainable development.
Option A:	Any system can sustain a limited number of organisms on a long-term basis
Option B:	With over exploitation of a resource environmental degradation starts and continues till it reaches a point of no return.
Option C:	Consumption should exceed regeneration.
Option D:	In case of human beings, the carrying capacity becomes more complex as their needs are not only food but also other things to maintain quality of life.
Q 17.	How is electricity obtained from geothermal energy
Option A:	geothermal energy uses heat energy from earth's crust
Option B:	geothermal energy uses water from earth's crust
Option C:	from earth's crust

Option D:	geothermal energy uses soil energy from earth's crust
Q 18.	How is solid waste management done by composting
Option A:	Burying the waste in the location situated away from residential area
Option B:	Plastics in the soil.
Option C:	e-waste in the soil
Option D:	Planting more trees.
Q 19.	Develop culture of preparedness, Invest in reducing losses, Ensure Resiliency in Recovery are
Option A:	Methods / Techniques to control air pollution.
Option B:	Methods / Techniques to control population.
Option C:	Methods / Techniques for managing earthquakes
Option D:	Methods / Techniques for planning education.
Q 20.	Effects of Noise pollution are
Option A:	Skin cancer and stress.
Option B:	Global warming.
Option C:	Greenhouse effect
Option D:	High blood pressure, stress related illness, hearing loss and productivity loss
Q 21.	The 3R for Sustainable development signify
Option A:	Reduce, Rename, Resume
Option B:	Reduce, Reuse, Recycling
Option C:	Reduce, Remember, Regain
Option D:	Reduce, Run, Reshape
Q 22.	Causes of Ozone depletion
Option A:	Chlorine and bromine containing organic compounds.
Option B:	Over grazing of cattle.
Option C:	Cutting of trees.
Option D:	Over population.
Q 23.	The greenhouse effect is the phenomenon by which
Option A:	Biological diversity is dominant in agricultural production.
Option B:	The globe's water pollution affects planktons.
Option C:	The earth's atmosphere traps infrared radiations.
Option D:	Climatic changes occur naturally in the forest.
Q 24.	Function of Bag House Filter is
Option A:	To filter water
Option B:	To filter air to remove particle and gases vented out from commercial industries
Option C:	To carry filtration effluent.
Option D:	To organize house party.

Q 25.	The global trend which is of great concern for future of our environment is
Option A:	Population growth and per capita consumption of resources
Option B:	Increasing literacy.
Option C:	Progress in medical sciences.
Option D:	Awareness among people regarding pollution.