

ENVIRONMENTAL CHEMISTRY BASED GENERAL SCIENCE MCQ PRACTICE QUESTIONS AND ANSWERS PDF WITH EXPLANATION

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Created By [Careericons](#) Team

Q1. Green chemistry means such reactions which

- a) reduce the use and production of hazardous chemicals
 - b) are related to the depletion of ozone layer
 - c) produce colour during reactions
 - d) study the reactions in plants
-

Q2. The statement which is not true:

- a) SO_3 is more harmful air pollutant than SO_2
 - b) NO_2 does not play any role in photochemical smog
 - c) SO_2 does not affect larynx (voice box)
 - d) NO is more toxic to living tissues than NO_2
-

Q3. Flint glass is obtained from which of the following?

- a) Sodium aluminum borosilicate
 - b) Sand, red lead and potassium carbonate
 - c) Zinc and barium borosilicate
 - d) Pure silica and zinc oxide
-

Q4. Dinitrogen and dioxygen are main constituents of air but these do not react with each other to form oxides of nitrogen because _____.

- a) the reaction can be initiated only in presence of a catalyst.
- b) oxides of nitrogen are unstable.

c) the reaction is endothermic and requires very high temperature.

d) N_2 and O_2 are unreactive.

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Q5. The filament of an electric bulb is of tungsten because –

a) It is cheaper

b) Its resistance is negligible

c) Its melting point is high

d) Filament is easily made

Q6. Ozone layer in upper atmosphere (stratosphere) is destroyed by –

a) chlorofluoro carbon (CFC)

b) photochemical smog

c) hydrochloric acid

d) sulphur dioxide

Q7. What is DDT among the following ?

a) A fertilizer

b) Biodegradable pollutant

c) Greenhouse gas

d) Non-biodegradable pollutant

Q8. Photochemical smog occurs in warm, dry and sunny climate. One of the following is not amongst the components of photochemical smog, identify it.

a) O_3

- b) SO₂
 - c) NO₂
 - d) Unsaturated hydrocarbon
-

Q9. Which one of the following is associated with the formation of brown air in traffic congested cities?

- a) Carbon dioxide
 - b) Nitrogen oxide
 - c) Sulphur dioxide
 - d) Carbon monoxide
-

Q10. Which one of the following statement is not true?

- a) Concentration of DO below 6 ppm is good for the growth of fish.
 - b) Clean water would have a BOD value of less than 5 ppm.
 - c) pH of drinking water should be between 5.5 – 9.5.
 - d) Oxides of sulphur, nitrogen and carbon are the most widespread air pollutant.
-

Q11. Statement I :

Phenyl is used as a household germicide.

Statement II :

Phenyl is phenol derivative and phenol is an effective germicide.

- a) Statement I is true but Statement II is false
 - b) Both Statement I and Statement II are true but Statement II is NOT the correct explanation of Statement I
 - c) Both Statement I and Statement II are true and Statement II is the correct explanation of Statement I
 - d) Statement I is false but Statement II is true
-

Q12. Eutrophication causes reduction in

- a) nutrients

- b) dissolved salts
- c) dissolved oxygen
- d) All of these

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Q13. Minimata disease is a pollution-related disease, which results from –

- a) accumulation of arsenic into atmosphere
- b) release of industrial waste mercury into fishing water
- c) release of human organic waste into drinking water
- d) oil spills into sea

Q14. Which of the following is not a synthetic fibre:

- a) Nylon
- b) Rayon
- c) Angora
- d) Polyester

Q15. Which of the following chemicals is used in foam fire extinguishers? [NDA]

- a) Cobalt sulphate
- b) Copper sulphate
- c) Aluminium sulphate
- d) Nickel sulphate

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Answers to the above questions :

Q1. Answer: (a)

Green chemistry may be defined as the programme of developing new chemical products and chemical processes or making improvements in the already existing compounds and processes so as to make them less harmful to human health and the environment.

This means the same as reducing the use and production of hazardous chemicals. i.e. the correct answer is an option (a).

Q2. Answer: (a)

SO₃ is more harmful pollutant than SO₂.

Q3. Answer: (b)

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Q4. Answer: (c)

Q5. Answer: (c)

Q6. Answer: (a)

Q7. Answer: (d)

DDT is a non-biodegradable pollutant.

Q8. Answer: (b)

Q9. Answer: (b)

Q10. Answer: (a)

The ideal value of D.O for the growth of fishes is 8 mg/l.

7mg /l is a desirable range, below this value fishes get susceptible to disease.

A value of 2 mg/ l or below is lethal for fish.

Q11. Answer: (c)

Q12. Answer: (c)

Eutrophication causes reduction in D.O.

Q13. Answer: (b)

Q14. Answer: (c)

Q15. Answer: (c)

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