Date Planned : __ / __ / __	Daily Tutorial Sheet-2	Expected Duration : 90 Min
Actual Date of Attempt : __ / __ / __	JEE Main Archive	Exact Duration :_____

11. Which one of the following substances used in dry cleaning is a better strategy to control environmental pollution ? **(2016)**

(A) Tetrachloroethylene **(B)** Carbon dioxide

(C) Sulphur dioxide **(D)** Nitrogen dioxide

12. A water sample has ppm level concentration of following anions

$F^- = 10;\ SO_4^{2-} = 100;\ NO_3^- = 50$

The anion/anions that make/makes the water sample unsuitable for drinking is/are : **(2017)**

(A) Only SO_4^{2-} **(B)** Only NO_3^-

(C) Both SO_4^{2-} and NO_3^- **(D)** Only F^-

13. Identify the pollutant gases largely responsible for the discoloured and lustreless nature of marble of the Taj Mahal. **(2017)**

(A) O_3 and CO_2 **(B)** CO_2 and NO_2 **(C)** SO_2 and NO_2 **(D)** SO_2 and O_3

14. Which of the following is a set of green house gases ? **(2017)**

(A) CH_4, O_3, N_2, SO_2 **(B)** O_3, N_2, CO_2, NO_2

(C) O_3, NO_2, SO_2, Cl_2 **(D)** CO_2, CH_4, N_2O, O_3

15. The recommended concentration of fluoride ion in drinking water is up to 1 ppm as fluoride ion is required to make teeth enamel harder by converting $\left[3Ca_3(PO_4)_2 \cdot Ca(OH)_2\right]$ to : **(2018)**

(A) $\left[3Ca_3(PO_4)_2 \cdot CaF_2\right]$ **(B)** $\left[3\{Ca_3(OH)_2\} \cdot CaF_2\right]$

(C) $\left[CaF_2\right]$ **(D)** $\left[3(CaF_2) \cdot Ca(OH)_2\right]$

16. Which of the following conditions in drinking water causes methemoglobinemia ? **(2019)**

(A) > 100 ppm of sulphate **(B)** > 50 ppm of lead

(C) > 50 ppm of chloride **(D)** > 50 ppm of nitrate

17. Water samples with BOD values of 4 ppm and 18 ppm, respectively, are : **(2019)**

(A) Clean and clean **(B)** Highly polluted and clean

(C) Highly polluted and highly polluted **(D)** Clean and highly polluted

18. The concentration of dissolved oxygen (DO) in cold water can go upto : **(2019)**

(A) 10 ppm **(B)** 8 ppm **(C)** 14 ppm **(D)** 16 ppm

19. The pH of rain water, is approximately : **(2019)**

(A) 7.0 **(B)** 6.5 **(C)** 5.6 **(D)** 7.5

20. The reaction that is NOT involved in the ozone layer depletion mechanism in the stratosphere is : **(2019)**

(A) $CH_4 + 2O_3 \longrightarrow 3CH_2 = O + 3H_2O$ **(B)** $CF_2Cl_2(g) \xrightarrow{uv} \dot{C}l(g) + \dot{C}F_2Cl(g)$

(C) $HOCl(g) \xrightarrow{h\upsilon} \dot{O}H(g) + \dot{C}l(g)$ **(D)** $Cl\dot{O}(g) + O(g) \longrightarrow \dot{C}l(g) + O_2(g)$