

**Subject: Water Management**

**Course No and Title: WMGC1422M/Water Pollution**

**Time: 2.15 hours      Max Marks:100      Min. Marks:40**

**Section A: Objective Type Questions**

**Q1. Choose the appropriate Answer: (8x1.5=12)**

- i. Ramsar Convention was held in which country?  
A Iran                                  B India  
C USA                                  D Malaysia
- ii. Which among the following is the best indicator of fecal contamination in water bodies?  
A E-Coli                                  B Plasmodium  
C Earth worm                          D Streptococcus
- iii. World Water day is celebrated on?  
A 22<sup>nd</sup> Feb                                  B 22<sup>nd</sup> June  
C 22<sup>nd</sup> March                              D 10<sup>th</sup> July
- iv. Blue Baby Syndrome is caused by?  
A Phosphate                              B Nitrate  
C Iron                                      D Zinc
- v. Ocean acidification is caused by uptake of which gas from atmosphere?  
A Carbon dioxide                      B Oxygen  
C Nitrogen                              D Hydrogen
- vi. Which international agreement aims to prevent marine pollution by ships?  
A Kyoto protocol                      B Montreal Protocol  
C MARPOL Convention              D Paris Agreement
- vii. SI Unit of radioactivity is?  
A Becquerel                              B Ohm  
C Kelvin                                  D Meter
- viii. A sudden increase in the temperature of water  
A Declines oxygen                      B Increases oxygen availability  
C Does not affect oxygen              D None of the above availability

**Section-B: Descriptive Type Questions (Short Type)**

**Q2: Answer all the Questions (8 x 4 =32)**

- i. Differentiate between Point and Non Point sources of water pollution.
- ii. Write a note on importance of wetlands.
- iii. What are the health effects of nitrate contamination in groundwater?
- iv. Write a short note on microplastics in ground water.
- v. Write short note on Minamata disease.
- vi. How does plastic pollution affect marine life?
- vii. Write a note on nuclear fallouts.
- viii. What are different sources of thermal pollution?

**Section – C: Descriptive Type Questions (Medium type)**

**Answer all the questions: (4 x 7=28)**

**Q 3. Discuss water pollution scenario of river Jhelum.**

**OR**

Discuss impact of water pollution on human health..

**Q 4. Explain the impact of pesticides in ground water quality.**

**OR**

Write a note on contaminant transport in ground water system.

**Q 5. Explain ocean acidification.**

**OR**

Define marine litter. Discuss its types and sources.

**Q6.** Write short note on disposal of radioactive waste.

**OR**

Write a short note on impact of thermal pollution on aquatic ecosystem.

**Section – D: Descriptive Type Questions (Long type)**

**Answer any two of the following: (2 x 14=28)**

- Q 7.** Explain Eutrophication and discuss its causes and consequences.
- 8.** Discuss the various types of contaminants found in groundwater system. Explain their sources and environmental impacts of each type.
- Q 9.** Define oil pollution. Mention any two oil spill cases which have occurred in the past. Describe them briefly.
- Q 10** What is radioactive pollution? Describe the sources and types of radioactive pollutants.