



Monthly Examination – Second Semester 2022-2023

Q1/ Fill the following blanks with suitable word(s): (M)

1. Ammonia released into water in two forms: **and**
2. Typically, BOD divided into two parts that **and**
3. The highest desirable level of nitrate for fish is mg.l⁻¹ (CCME, 2012).
4. Principle of COD test is convert \longrightarrow +
5. The ion is the common form of combined nitrogen found in natural waters.
6. **TKN** = + and
7. Apparatus use for BOD test are **and**
8. Nitrogen Sources in water are,**and**
9. Ammonia can have sub-lethal effects such as:.....,..... **and**.....

Q2/ Answer True or False then correct the false sentences. (M)

1. The maximum contaminant limit for nitrite in drinking water is 3 mg.l⁻¹.
2. An anthropogenic source includes waste water treatment is a source of the BOD in water.
3. Nitrate is an unstable, intermediate stage in the nitrogen cycle.
4. High BOD means that a few of oxygen is being used up.
5. When the high BOD is chronic, a loss of biodiversity.

Q3/ Answer Five (5) of the followings. (M)

1. The extent of oxidation in COD depended on:
2. The nitrogen forms cause:
3. Ammonia management options (ammonia reduction) in fish pond:
4. The different between COD and BOD
5. Draw Nitrogen Cycle in water
6. Factors Affecting Nitrite Toxicity

Good Luck