Week 3: Assignment 3

Due on 24/04/20 10:00

As per your instructions, you cannot access this assignment.

1. Topographical features which are more efficient in detecting hydrocarbons or other pollutants include the following characteristics:
   A. Shape and size
   B. Dissipation of energy by deflection of antenna for different pollutants in the near environment
   C. Classification of targets that are able to detect pollutants in near concentration only
   D. All of the above

2. Removal of phosphates and nitrates from wastewater can be possible by:
   A. Advanced digestion of wastewater
   B. Removal of inorganic elements (ECO) by using microbial communities through aerobic, anaerobic, and denitrifying steps
   C. Application of wastewater
   D. Only option B

3. Radioactive substances detected by environmental/biological sensors are:
   A. Yttrium
   B. Fresen
   C. Agricultural reactivity
   D. Soil and B

4. Important system components that need to be identified by the modeller to create a validation of a pollution model are:
   A. Cultural types of microorganisms
   B. Substrate content to feed the microorganisms
   C. Psychrophiles by microorganisms
   D. All of the above

5. Identify whether the statements mentioned below is True or False:

   - A. The concentration of water is a laboratory method used to evaluate the nutritional state of water and the mineral nutrient
     B. True
     C. False

   - B. The concentration of water is a laboratory method used to evaluate the nutritional state of water and the mineral nutrient
     B. True
     C. False

   - C. The concentration of water is a laboratory method used to evaluate the nutritional state of water and the mineral nutrient
     B. True
     C. False

   - D. All of the above
     B. True
     C. False

6. Identify whether the statements mentioned below is True or False:

   - A. The concentration of water is a laboratory method used to evaluate the nutritional state of water and the mineral nutrient
     B. True
     C. False

   - B. The concentration of water is a laboratory method used to evaluate the nutritional state of water and the mineral nutrient
     B. True
     C. False

   - C. The concentration of water is a laboratory method used to evaluate the nutritional state of water and the mineral nutrient
     B. True
     C. False

   - D. All of the above
     B. True
     C. False

7. Identify the true statement(s) by examining the following statements about a laboratory method on an ideal seawater sample:

   - A. Stable output reading
   B. True
   C. False
   D. N/A

8. Identify whether the statements mentioned below is True or False:

   - A. Stable output reading
   B. True
   C. False
   D. N/A

   - B. Finely organic matter (lignin) is isolated at a lower level, while that of the algal material runs at a higher level
   C. From the military and rural areas, the output is higher
   D. Both option B and C, based on the temperature of water
     B. True
     C. False

   - C. From the military and rural areas, the output is higher
     B. True
     C. False

   - D. Both option B and C, based on the temperature of water
     B. True
     C. False

9. True, produces the methanogen bacteria can be removed through contaminated water

   - A. Column device
   B. Dimension spin
   C. EDTA solution
   D. Alkali spin

10. Identify whether the statements mentioned below is True or False:

    - A. Column device
    B. Dimension spin
    C. EDTA solution
    D. Alkali spin

    - B. True
    C. False

    - C. EDTA solution
    B. True
    C. False

    - D. Alkali spin
    B. True
    C. False