Quadrant IV – Assessment (Module –wise)

Programme: Bachelor of Science (First Year)

Subject: Botany

Paper Code: BOG 101

Paper Title: Environmental Biotechnology

Unit: Microbiology of waste water treatment

Module Name: Aerobic process – Activated sludge

Module No: 11

Name of the Presenter: Ms. Janice Rodrigues

MCQ

1. Oxidation ponds are also known as _____.
   a) Stabilizers
   b) Stabilization ponds
   c) Stabilization system
   d) Stabilized water

2. Oxidation pond involves the cooperative interaction between _____.
   a) Algae and anaerobic bacteria
   b) Algae, anaerobic bacteria and fungi
   c) Algae, aerobic bacteria and fungi
   d) Algae and fungi

3. An additional clarifier is absent in _____.
   a) Continuous flow type oxidation pond
   b) Continuous flow type oxidation ditch
   c) Intermittent flow type oxidation pond
   d) Intermittent flow type oxidation ditch

Completion type (fill-in-the-blanks)

Short Answer – I (short notes - say 20 to 50 words)

1. State the working principle of oxidation ponds.
2. State the different types of oxidation ditches.
3. How is the sludge separated from the treated water in intermittent flow type of oxidation ditch?

Short Answer – II (extended – say 50 to 100 words)

1. Describe the procedure of water treatment in an oxidation pond.
2. What are the advantages and disadvantages of an oxidation pond?
3. Explain the process of waste water treatment in a continuous flow type of oxidation ditch?
4. What are the pros and cons of an oxidation ditch?

Matching type

Numerical/Problems to Solve

Self-reflection

Create something new (higher order cognition)