**Katwa College**

**B.Sc Sem-VI (Honours) internal Examination**

**Sub-Botany**

**Paper-DSE-4**

**Industrial & Environmental Microbiology**

 **Answer any two questions of the following. 2x5=10**

1. What is Bioreactor? Mention with diagram the different component of a Bioreactor.1+4
2. Differentiate between Solid & Liquid state fermentation. What is batch and continuous culture.2.5+2.5
3. What is BOD, COD, TDS . Define Bioremediation.3+2
4. Describe in brief the steps of product recovery through Downstream processing.5
5. Briefly discuss the role of mycorrhiza in agriculture.5

**Katwa College**

**B.Sc Sem-VI (Honours) internal Examination**

**Sub-Botany**

**Paper-DSE-4**

**Industrial & Environmental Microbiology**

 **Answer any two questions of the following. 2x5=10**

1. What is Bioreactor? Mention with diagram the different component of a Bioreactor.1+4
2. Differentiate between Solid & Liquid state fermentation. What is batch and continuous culture.2.5+2.5
3. What is BOD, COD, TDS . Define Bioremediation.3+2
4. Describe in brief the steps of product recovery through Downstream processing.5
5. Briefly discuss the role of mycorrhiza in agriculture.5

**Katwa College**

**B.Sc Sem-VI (Honours) internal Examination**

**Sub-Botany**

**Paper-DSE-4**

**Industrial & Environmental Microbiology**

 **Answer any two questions of the following. 2x5=10**

1. What is Bioreactor? Mention with diagram the different component of a Bioreactor.1+4
2. Differentiate between Solid & Liquid state fermentation. What is batch and continuous culture.2.5+2.5
3. What is BOD, COD, TDS . Define Bioremediation.3+2
4. Describe in brief the steps of product recovery through Downstream processing.5
5. Briefly discuss the role of mycorrhiza in agriculture.5