

## **QUIZ 7 BSB3583**

1. Discuss **THREE (3)** industrial applications of cold-adapted enzymes.

**(6 Marks)**

2. Extremophiles produce biocatalysts or enzymes that are functional under extreme conditions known as extremozymes. Discuss the differences of properties between the enzymes isolated from hot and cold temperatures.

**(10 Marks)**

3. Thermophilic and psychrophilic organisms produce extremozymes that are functional under extreme conditions. Distinguish between the **FIVE (5)** properties of extremozymes isolated from thermophilic and psychrophilic organisms.

**(10 Marks)**