



3. A) Answer **any two** of the following : **10**
- i) Describe in brief Spirulina used as SCP.
 - ii) Discuss in detail biogas production.
 - iii) Describe in detail Red wine production.
- B) Give a detailed account on distillation. **4**
4. Answer **any two** of the following : **14**
- i) Describe in detail production of beer.
 - ii) Define biopesticide. Explain in detail biopesticide production.
 - iii) Define beta lactum antibiotic. Discuss in detail submerged production of Penicillin.
5. Answer **any two** of the following : **14**
- i) Define biofertilizer. Give a detailed account on symbiotic nitrogen fixation.
 - ii) Discuss in detail secondary treatments of industrial wastes.
 - iii) Describe in detail L-lysine production by dual fermentation.
-