

## WASTE GENERATION ASPECTS

FINAL EXAMINATION

TIME ALLOCATION: 3 HOURS

INSTRUCTION TO STUDENTS: ATTEMPT ALL QUESTIONS

1. Define the following terms **(20 Marks)**
  - i. **Solid waste** –
  - ii. **Solid waste management** –
  - iii. **Leachate** –
  - iv. **Privatization** –
  - v. **Medical waste** –
  - vi. **Compost** –
  
2. Name and explain the Six functional elements of waste management system **(20 Marks)**
  
3. State and explain FIVE potential environmental impacts from Solid waste management activities. **(20 Marks)**
  
4. State and explain the following FIVE basic modes of privatization of a waste management body **(10 Marks)**
  - i. **Concessions**
  - ii. **Management contract**
  - iii. **Commercialization**
  - iv. **Franchise**
  - v. **Private enterprise/ entrepreneurship**

5. State FIVE criteria taken in ensuring privatization is successful **(5 Marks)**
  
6. Briefly discuss the difference between aerobic and anaerobic decomposition **(10 Marks)**
  
7. State FIVE applications of compost **(10 Marks)**
  
8. State any FIVE environmental requirements that enhance fish growth in waste-fed ponds **(5 Marks)**