

**[Time : 3 Hours]**

**[ Total Marks : 80**

Please check whether you have got the right question paper.

- N.B:**
1. Question **No.1** is **compulsory**.
  2. Attempt **any THREE** out of remaining Questions **No.2** to **No.6**.
  3. **All** questions carry **equal marks**.

1. Answer **any four** out of **five** of the following : **20**
    - (a) BST 1 Laws.
    - (b) Trade standard by NSB.
    - (c) Trade standard by UNICEF.
    - (d) Food Laws by FAO.
    - (e) Elements of validation (OQ, PQ & DQ).
  2.
    - (a) What are biosafety cabinets? **10**
    - (b) Explain level of biosafety and bio hazards in pharma and food industry? **10**
  3.
    - (a) What do you understand by Good laboratory practices? **10**
    - (b) What do you understand by quality assurance in GLP? **10**
  4.
    - (a) Write a note on quality attributes of food? **10**
    - (b) Write a note on HACCP systems? **10**
  5.
    - (a) Write a note on chemical hazards and there types? **10**
    - (b) Write a note on GMO's. **10**
  6.
    - (a) Explain the methods for physical and microbiological cleaning and disinfection? **10**
    - (b) Explain ICH guidelines for cGMP and food plants? **10**
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