

Time: 2 ½ Hours

Marks - 60

- N.B.**
1. All questions are compulsory.
 2. Draw neat labeled diagrams wherever necessary.
 3. All questions carry equal marks.

Q.1 a What do you understand about the Standardization of ASU? How can Standardization of ASU drugs be achieved? **12**

OR

Q.1 b Explain the role of HPTLC as a chromatographic tool in standardization or Unani formulations. **12**

Q.2 a What is Normal Distribution? Add a note on its applications. **12**

OR

Q.2 b Discuss Analysis of variance (ANOVA) and add a note on its applications. **12**

Q.3 a Describe the variation in biological samples and their statistical treatment. **12**

OR

Q.3 b Write a brief note on collection and classification of data. **12**

Q.4 a What is GMP? Add a note on its documentation. **12**

OR

Q.4 b Explain about Regulatory Certification of GMP. **12**

Q.5 Write Short note on the following (ANY THREE) **12**

- a. Phytochemical variations
- b. Z test
- c. SPSS software
- d. Statistical approach to Biological samples
- e. Audit

-X-X-X-X-X-