First Semester M.Pharm Degree Regular/Supplementary Examinations March 2020

M.Pharm (Pharmaceutical Analysis)

Paper III - Pharmaceutical Validation (MPA 103T)

(Common for 2017 and 2019 Scheme)

Time: 3 Hours

- Answer all questions to the point neatly and legibly
 Do not leave any blank pages between answers
 Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary

Essays

- 1. Describe about computerized system validation of electronic records and digital significance-21 CFR part 11.
- 2. Explain the general principle of intellectual property. Mechanism for protection of IP of patents and copy right.
- 3. Discuss the validation of utility system for pharmaceutical water system and pure steam

Short Notes

- 4. Validation master plan.
- 5. Factory acceptance test.
- 6. Give the qualification of HPLC.
- 7. The ICH guidelines for analytical method validation.
- 8. What are the rights and responsibilities of patentee.
- 9. Discuss the negative and positive aspects of ethics.
- 10. Patent application forms and guidelines.
- 11. Qualification of manufacturing equipment.
- 12. Cleaning validation cleaning in place.

QP CODE: 113329

Reg. No:....

(3x10=30)

(9x5=45)

Total Marks: 75