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M.Pharmacy (Pharmaceutical Quality Assurance) (2017 & Onwards) (Sem.-2)

PHARMACEUTICAL VALIDATION

Subject Code: MQA-202T M.Code: 76351

Time: 3 Hrs. Max. Marks: 75

INSTRUCTIONS TO CANDIDATES:

- Attempt any FIVE questions out of SIX questions.
- 2. Each question carry FIFTEEN marks.
- A) What is meant by IQ, OQ and PQ? Outline the general procedures for them.
 - B) What is meant by calibration? Briefly explain the process of calibrating a weighing balance.
- A) Explain the procedure for validating dry powder mixers.
 - B) Outline the essential steps involved in calibrating FTIR.
- A) Mention the principle of operation of 'friability test apparatus'. Explain the process of validating its operation.
 - B) Write a note on need and steps involved in validation of water systems in a pharmaceutical industry.
- A) Explain repeatability and robustness with examples.
 - B) Describe the validation of manufacturing process for coated tablet giving a fish-bone diagram.
- A) Write a note on cleaning-in-place.
 - B) Discuss the requirements for electronic records according to USFDA guidelines.
- A) What are trademarks? Describe the importance of trademarks and penalties for its infringement.
 - B) Describe the process of filing an International Patent.

NOTE: Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

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