



Code No: G-13177/PCI

FACULTY OF PHARMACY

**M. Pharmacy (PCI) II - Semester (Pharm. Quality Assurance) (Backlog) Examination,
June 2025**

Subject: Hazards & Safety Management

Time: 3 Hours

Max. Marks: 75

Note: Answer any five questions. All questions carry equal marks. (5 x 15 = 75 Marks)

1. Write a note on Air circulation maintenance industry for sterile and non-sterile area.
2. Explain in detail about Control measures for chemical hazards.
3. Add a note on Effluent treatment procedure.
4. Explain in detail about Forest Resources, water Resources and mineral Resources.
5. Discuss in detail about Critical Hazard Management System for fire & chemical Hazards.
6. Give a brief note on Air based and Water based hazards.
7. Explain in brief about Fundamentals of Accident prevention.
8. Add a note on ICH Guidelines on risk assessment and risk management methods and tools.



Code No: G-13180/PCI

FACULTY OF PHARMACY

**M. Pharmacy (PCI) II - Semester (Pharm. Quality Assurance) (Backlog) Examination,
June 2025**

Subject: Pharmaceutical Manufacturing Technology

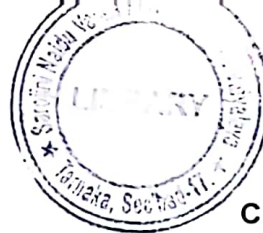
Time: 3 Hours

Max. Marks: 75

Note: Answer any five questions. All questions carry equal marks.

(5 x 15 = 75 Marks)

1. Discuss about plant location.
2. Describe about production planning in pharmaceutical industry.
3. Discuss about advanced non sterile product manufacturing technology.
4. Discuss about different granulators.
5. Discuss about in process quality control tests for tablets.
6. Describe about coating technology and problems encountered in coating technology.
7. Explain about stability and evaluation of packaging material.
8. Discuss about different aspects of Quality by Design and its limitations.



Code No: G-13214/PCI

FACULTY OF PHARMACY

M. Pharmacy (Common to All) III - Semester (PCI) (Main & Backlog) Examination,
June 2025

Subject: Research Methodology and Biostatistics

Time: 3 Hours

Max Marks: 75

Note: Answer any five Questions. All Questions carry equal marks.

1. (a) Write a note on types of research. (7)
(b) What are the strategies to eliminate errors/bias? (8)
2. (a) Write a note on paired and unpaired student t test. (7)
(b) Explain in brief about importance of sample size in research. (8)
3. (a) Describe in brief about values in medical ethics. (7)
(b) Write a note on euthanasia and informed consent. (8)
4. (a) Describe about the necessary SOPs required to maintain laboratory animals. (7)
(b) Write a note on treatment and control of diseases in laboratory animals. (8)
5. (a) Write a note on history of declaration of Helsinki. (7)
(b) Write the basic principles of medical research. (8)
6. (a) Explain in brief about objectives of research (7)
(b) Write a note on placebo and blinding technique. (8)
7. (a) Write about t-test. (7)
(b) Write a note on correlation co-efficient. (8)
8. (a) Explain about the double effect and medical research ethics committee. (7)
(b) Write a note on transport of laboratory animals. (8)
