Question Paper

Exam Date & Time: 21-May-2024 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

Manipal College of Pharmaceutical Sciences, MAHE, Manipal
M. Pharm Theory End-Semester Examinations, May-2024
Department of Pharmaceutical Quality Assurance
Specialization- Pharmaceutical Quality Assurance
Sub title: PHARMACEUTICAL MANUFACTURING TECHNOLOGY
Sub code: PQA -MQA 204T

Pharmaceutical Manufacturing Technology [PQA-MQA204T -S1]

Marks: 75 Duration: 180 mins.

SECTION - A

Answer all the questions.

Answer the following (10 marks x = 50 marks)

SECTION - B

Answer all the questions.

Answer the following (5 marks x = 25 marks)

6)	$2.5~\text{m}^3$ area of a sterile manufacturing unit was sampled. This sample had 5,000 particles of size greater than $0.5\mu\text{m}$. For which sterile manufacturing activity this area can be used as per the following regulatory agencies and why? i. USFDA ii. EMEA	(5)
7)	Design a machine loading chart to accommodate the production of two soft gelatin capsule formulations over six months	(5)
8)	How do various factors influence the scheduling of different formulations in the pharmaceutical industry?	(5)
9)	Explain the various types of closure liners used in the Pharmaceutical industry	(5)
10)	Write the principle involved in the operation of spermonizers	(5)

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