Question Paper

Exam Date & Time: 12-Jun-2023 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

Manipal Academy of Higher Education, Manipal MPharm Theory End-Semester Examinations.

Hazards and Safety Management [PQA-MQA201T -S2]

Marks: 75 Duration: 180 mins.

SECTION - A

Answer all the questions.

Answer the following (10 marks x = 50 marks)

1)	Classify flares based on the method of enhancing mixing at the flare tip. Explain each type briefly. (10	ე)
2)	Explain the reasons for large-scale depletion of forests. (10	0)
3)	Explain the application of air handling system in a pharmaceutical industry. (10	0)
4)	Write the applications of the following in controlling chemical hazards. i) Green chemistry concept ii) (10 Replacing toxic solvents with less toxic solvents iii) Microwave synthesis iv) Sonochemistry.	0)
5)	a) Explain the risk management tools in brief.b) Explain the sources of waste in a pharma industry in brief. (5+5 marks)	D)

SECTION - B

Answer all the questions.

Answer the following (5 marks x = 25 marks)

6)	A new bulk drug manufacturing unit is being built. Suggest fire proofing systems for the same.	(5)
7)	List the environmental damage caused by mining activities.	(5)
8)	Analyse the sources of air polluents and their effect on human beings.	(5)
9)	Write the rules for choosing safer solvents.	(5)
10)	Comment on the statement "To be effective any health and safety programmes needs meaningful participation of workers and their representatives"	(5)

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