

Exam Date & Time: 07-Sep-2021 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

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

Hazards and Safety Management [PQA-MQA201T]

Marks: 75

Duration: 180 mins.

SECTION - A

Answer all the questions.

Answer the following (10 marks x 5 = 50 marks)

- 1) Mention the class of fire and justify the choice of extinguisher to be used in case of following fire accidents:
 - a) LPG gas blast (10)
 - b) Fire at a furniture mart - (5+5 Marks)
- 2) Explain the reasons behind the water stress (10)
- 3) Explain the applications of air handling system in a pharmaceutical industry. (10)
- 4) Explain the control measures to prevent the chemical hazards in an API manufacturing pharmaceutical industry. (10)
- 5)
 - a) Why it is important to train the employees for self-protection measures.? (10)
 - b) How to handle the work place emergencies? (5+5 marks)

SECTION - B

Answer all the questions.

Answer the following (5 marks x 5 = 25 marks)

- 6) Mention the areas of concern to be assessed in designing workplace safety and prevention services against fire. (5)
- 7) List the problems associated with natural resources (5)
- 8) How people are exposed hazardous air pollutants? (5)
- 9) List the reasons for choosing the safer solvents (5)
- 10) Explain the determination of any two important contaminants in an effluent from an API manufacturing plant involved in paracetamol manufacturing. (5)

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