

Exam Date & Time: 13-Jul-2022 (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]

Marks: 75

Duration: 180 mins.

SECTION - A

Answer all the questions.

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

- 1) Mention the areas of concern to be assessed in designing workplace safety and prevention services against fire. (10)
- 2) What are natural resources? Explain the problems associated with natural resources (10)
- 3) a) Explain the types of air filters used in air handling system.
b) Write the functions of air handling system. (5+5 marks) (10)
- 4) Explain the applications of knowledge of organic synthesis in overcoming organic hazards. (10)
- 5) a) Explain the reasons for unsafe acts in a pharmaceutical industry.
b) List the types of work place hazards. (5+5 marks) (10)

SECTION - B

Answer all the questions.

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

- 6) Mention the class of fire and justify the choice of extinguisher to be used in case of following fire accidents:
a) LPG gas blast (5)
b) Fire at a furniture mart
- 7) List the major reasons for large scale forest depletion. (5)
- 8) List the health and environmental effects of hazardous air pollutants. (5)
- 9) Name two examples each for sulphonating and methylating agents used in organic synthesis. Write their effect on health of a user. (5)
- 10) Explain the methods to analyse metallic contaminants in an API in brief. (5)

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