

**M. PHARM. (PHARMACEUTICAL QUALITY ASSURANCE)**  
**SEM-II (CBCS-2019 COURSE): Winter-2021**  
**SUBJECT: HAZARDS AND SAFETY MANAGEMENT**

**Day:** Monday  
**Date:** 29-11-2021

**Time:** 02:00 PM-05:00 PM  
**Max. Marks:** 75

**W-20767-2021**

**N.B.:**

- 1) **Q. No.1 and Q. No.5 are COMPULSORY.** Out of remaining attempt **ANY TWO** from each section.
- 2) Answer to both section should be written in **SEPARATE** answer books.
- 3) Figures to the right indicate **FULL** marks.

**SECTION-I**

- Q.1** Discuss the concept of an ecosystem, along with Structure and function of an ecosystem. (08)
- Q.2** Write a detailed note on Environmental hazards. (15)
- Q.3** Discuss Land, Water and Forest resources in detail. (15)
- Q.4** Write short notes on **ANY TWO** of the following: (15)
- a) Preliminary Hazard Analysis (PHA)
  - b) Types of fire extinguishers
  - c) Management of combustible gases

**SECTION-II**

- Q.5** Explain components of Fire triangle and classifications of Fire. (07)
- Q.6** Discuss in detail ICH guidelines on risk assessment and Risk management methods and Tools. (15)
- Q.7** Explain in detail preventive and protective management from fires and explosion from electricity. (15)
- Q.8** Write short notes on **ANY TWO** of the following: (15)
- a) Explain various Elements of Safety Management Programme
  - b) Elaborate in brief about Factory act and rules
  - c) Write in brief about BOD and COD

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