

**MBA in DM Semester-3 Examination****DM 306****RA****Time : 2-30 Hours]****April-2024****[Max. Marks : 70**

- Instructions :** (1) This paper contains **FIVE** questions.  
(2) All questions are compulsory.  
(3) Question No. **2, 3, 4** have internal options.  
(4) Figures in the right side in parenthesis indicate marks.

**Q:1** Define risk assessment, risk management and risk analysis. Explain risk assessment techniques in detail. **(14)**

**Q:2** Define chemical load. Explain the relation between chemical load and health risk. Discuss the types of chemical toxic effects in detail. **(14)**

**OR**

**Q:2** Discuss the concept of risk adjustment in brief. Explain choice and loss acceptance theory in detail with an example. **(14)**

**Q:3** What is a HAZOP study? Explain the process of HAZOP study along with guide words and roles of team members in detail. **(14)**

**OR**

**Q:3** What do you mean by qualitative and quantitative data? Explain the various tools of quantitative data collection in detail. **(14)**

**Q:4** What do you mean by risk management program? Discuss the procedure to design a risk management program in detail. **(14)**

**OR**

**Q:4** What is vulnerability analysis? Explain its importance and types in detail. **(14)**

**Q:5** What is hazard identification and exposure assessment? Explain hazard identification techniques and methods of exposure assessment in detail. **(14)**

—X—