

GUJARAT TECHNOLOGICAL UNIVERSITY
M.PHARM - SEMESTER-2 EXAMINATION – SUMMER-2019

Subject Code: MQA201T**Date: 27/05/2019****Subject Name: Hazards and Safety Management****Time: 10:30 AM TO 01:30 PM****Total Marks: 80****Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

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| Q.1 | (a) | Define the term Environment and enumerate the importance of Environmental Education in India. | 06 |
| | (b) | Explain the Environmental problems due to over utilization of natural resources. | 05 |
| | (c) | Briefly explain the methods of assessment of Environmental Degradation. | 05 |
| Q.2 | (a) | Write note on land degradation. | 06 |
| | (b) | Explain the Air circulation maintenance in industry for sterile area. | 05 |
| | (c) | List the types and sources of possible hazards and their health effects. | 05 |
| Q.3 | (a) | Explain various types of fire extinguishers used in industry. | 06 |
| | (b) | Discuss about Management of combustible gases and toxic gases. | 05 |
| | (c) | Write note on Preliminary Hazard Analysis (PHA). | 05 |
| Q.4 | (a) | Discuss about various sources of chemical hazards. | 06 |
| | (b) | Write note on different control measures for chemical hazards. | 05 |
| | (c) | Explain the fire triangles with its applications. | 05 |
| Q.5 | (a) | Discuss the critical hazards management in chemical explosion. | 06 |
| | (b) | Write a note on Safety and hazards regulations in industry. | 05 |
| | (c) | Describe about Self-protective measures against workplace hazards. | 05 |
| Q. 6 | (a) | Describe the preventive and protective management from fires due to electricity. | 06 |
| | (b) | Explain the elements of safety programme and safety management. | 05 |
| | (c) | Write a note on ICH guidelines on risk assessment. | 05 |
| Q.7 | (a) | Write a note on Critical training for risk management. | 06 |
| | (b) | Explain the difference between BOD and COD. | 05 |
| | (c) | Give detail about hazards based on radioisotopes. | 05 |
