

C.U.SHAH UNIVERSITY**Summer Examination-2018****Subject Name : Hazards and Safety Management****Subject Code : MQA201T****Branch: M.Pharm (QA)****Semester : 2****Date : 23/04/2018****Time : 10:30 To 01:30****Marks : 75**

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

Q-1 Attempt the following questions: (20)

- a) Forest resources
- b) Water resources
- c) Mineral resources
- d) Energy resources
- e) Land Resources
- f) Sulphonating hazard
- g) Organic solvent hazard
- h) Role of emergency services by Hazard and risk Management.
- i) TLV concept.
- j) Environmental hazards: Radioisotopes

Attempt the following questions:

Q-2 Attempt any two of following : (20)

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|----------|---|-----------|
| A | Write Sources, Types of Hazards, Air circulation maintenance industry for sterile area and non sterile area in air base Hazards | 10 |
| B | Write note on Fire protection system | 10 |
| C | Environmental hazards: Hazards based on Air, Water and Soil | 10 |

Q-3 Attempt any Seven of following : (35)

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|----------|---|----------|
| A | Concept of an ecosystem and Structure and function of an Ecosystem | 5 |
| B | Natural Resources, Renewable and non-renewable resources | 5 |
| C | Industrial processes and hazards potential | 5 |
| D | Safety and hazards regulations of fire and explosion | 5 |
| E | Preventive and protective management from fires and explosion electricity passivation, ventilation, and sprinkling | 5 |
| F | Management of combustible gases, Toxic gases and oxygen displacing gases management | 5 |
| G | ICH guidelines on risk assessment and Risk management methods and Tools | 5 |
| H | Short note on Factory act and rules, fundamentals of accident prevention, elements of safety programme and safety management | 5 |
| I | Write note on Physicochemical measurements of effluents, BOD, COD, Determination of some contaminants, Effluent treatment procedure | 5 |

