

C.U.SHAH UNIVERSITY

Summer Examination-2019

Subject Name : Hazards and Safety Management

Subject Code : MQA201T

Branch: M.Pharm (QA)

Semester : 2

Date : 16/04/2019

Time : 02:30 To 05:30

Marks : 70

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 Define the following: (20)

- a) BOD
- b) Renewable resources
- c) Mineral resources
- d) Energy resources
- e) Non-renewable resources
- f) Sulphonating hazard
- g) Organic solvent hazard
- h) Role of emergency services by Hazard and risk Management.
- i) Natural Resources
- j) COD

Attempt the following questions:

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

- A** Explain water resources in the term of uses and over-utilization of surface and ground water **10**
- B** Explain risk management methodology in pharmaceutical industry as per ICH guidelines **10**
- C** Write a detail note on sources of chemical hazards. **10**

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

- A** Concept of an ecosystem and Structure and function of an Ecosystem **5**
- B** Write note on Physicochemical measurements of effluents, BOD, COD, Determination of some contaminants, Effluent treatment procedure. **5**
- C** Environmental hazards: Radioisotopes **5**
- D** Describe the importance of forest resources. **5**
- E** Discuss classes of fire and types of fire extinguishers. **5**
- F** Management of combustible gases, Toxic gases and oxygen displacing gases management **5**
- G** Write individuals role in conservation of natural resources. **5**
- H** Write note TLV concept. **5**
- I** Short note on Factory act and rules, fundamentals of accident prevention, elements of safety programme and safety management. **5**

