

AS-823

M.B.A. Semester—IV Examination
INDUSTRIAL HEALTH AND DISASTER MANAGEMENT
Paper—MBA/4405/OM

Time : Three Hours]

[Maximum Marks : 70

Note :—(1) Attempt **ALL** questions.

(2) Figures to the right indicate marks.

(3) Use of scientific calculator is permitted.

SECTION—A

1. (a) Explain under the Factories Act 1948, what are the obligations for employers. Explain in detail. 14

OR

- (b) For a surgeon, to issue the certificate of fitness what are the provisions made under Factories Act, 1948 ? 14

SECTION—B

2. (a) What are the rules for the Occupier to be laid down by manufacture, storage and import of Hazardous Chemical Rules 1989 for collection, development and dissemination of information ? 7
- (b) Vivek is about to start his new venture in manufacturing of electronic circuit boards for various toys. He needs to prepare a safety report and submit it to the authorities. Explain as to how will you guide Vivek in preparing a safety report under MHISC rules 1989. 7

OR

- (c) Explain the procedure for notification and updations of site following changes in the threshold quantity under MHISC rules 1989. 7
- (d) SGBU is an automobile parts manufacturing company. Rohit who just joined as a Works main controller is given a task to prepare an emergency action plan for on-site emergency. He has jotted down all emergency control centers, checked and verified it, still the GM said the report is incomplete. Kindly help Rohit in completing the report. 7

3. (a) What are the major determinants of thermal comfort response ? Explain any two in detail. 7
(b) Suggest a suitable lighting requirement for a Boiler unit in MIDC, Amravati. 7

OR

- (c) What factors need to be kept in mind while designing a good illumination scheme ? 7
(d) What do you mean by congenial working environment ? 7

SECTION—C

4. (a) Explain how to constitute the State Welfare Boards according to the Building and Other Construction Workers Act, 1996 ? 7
(b) Exhaust Ltd. has purchased an old boiler and made certain alteration with the registration mark, also for boiler they don't have provisional order. What could be the consequences of such malpractices under Indian Boiler Act, 1923 ? 7

OR

- (c) Why it is necessary to keep minimum safety distance ? What is the minimum safety distance for storage of liquefied flammable gas in petroleum refinery above 100 tonnes ? 7
(d) Botler manufacturing is an upcoming industrial unit in manufacturing of gas cylinders. To check for the strength and leaks they need to conduct a hydraulic test, kindly lay down the precautions to be observed in carrying out hydraulic test. 7

SECTION—D

5. In the wake of heavy monsoon rain and flash floods in Jammu and Kashmir (J&K), which has killed over 400 and rendered hundreds of thousands homeless, the Indian armed forces were deployed in increasing numbers starting September 2, 2014 to conduct search, rescue, relief, relocation, humanitarian assistance and rehabilitation mission in J&K. By September 18 over 2,00,000 people were rescued from the various parts of Jammu and Kashmir by the armed forces.

The J&K floods 2014 have been blamed on heavy rainfall about 8 inches on 4 September alone, on climate change, unplanned and uncontrolled development, encroachment of river banks, lakes, ponds and massive loss of wet lands, absence of local government, Flood forecasting system and poor governance were seen to be the major factors.

- (1) What are the prime reasons for flood in hilly area like J&K ? 7
(2) How Government should tackle the after disaster situations in order to minimize the losses ? 7