

This question paper contains 2 printed pages]

NEPWT—275—2024

FACULTY OF SCIENCE

M.Sc. (First Year) (Second Semester) EXAMINATION

NOVEMBER/DECEMBER, 2024

CHEMISTRY

SCHEE-1452

(Laboratory Safety)

(Wednesday, 18-12-2024)

Time : 10.00 a.m. to 1.00 p.m.

Time—3 Hours

Maximum Marks—60

N.B. :— (i) First question is compulsory.

(ii) Solve any three questions from remaining five.

1. Attempt all questions : 15
 - (a) Give an account on health risks in fertilizer sector.
 - (b) Write in detail on safety rules.
 - (c) Explain in brief disposal of biological materials.
2. Answer the following questions :
 - (a) Discuss Health risks in electrical and radioactive sectors. 7
 - (b) Give an account on case studies of chemical incidences. 8

P.T.O.

3. Answer the following questions :
- (a) Discuss in detail compressed gases and storage. 8
 - (b) Discuss Health risks in physical, chemical and biological sectors. 7
4. Answer the following questions :
- (a) Give an account on preparation for emergencies. 8
 - (b) How will you working with highly reactive substance ? Explain it in detail. 7
5. Answer the following questions :
- (a) Explain in detail types of toxins. 7
 - (b) Discuss health risks in pharmacy and cracker industries. 8
6. Write short notes on :
- (a) Health risks in pesticide sector
 - (b) Explosive substances
 - (c) Vizag gas leak incidence. 15