

BACHELOR OF TECHNOLOGY (C.B.C.S.) (2021-COURSE)

B. Tech. Sem - II ELECTRICAL :SUMMER- 2022

SUBJECT : INDUSTRIAL SAFETY PRACTICES

Day : Wednesday

Time : 10:00 AM-01:00 PM

Date : 3/8/2022

S-24080-2022

Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Use of **non-programmable calculator** is allowed.
- 4) Assume suitable data **WHEREVER** necessary.
- 5) Draw neat diagram **WHEREVER** necessary.

- Q.1 a) State the objectives of Safety Management. (05)
b) Describe the duties of National Safety Council. (05)

OR

- Q.1 a) Write short note on Employee State Insurance Act. (05)
b) Describe the approaches to prevent accidents. (05)

- Q.2 a) Write short note on Petroleum Act 1954. (05)
b) List and explain in brief the use of personal protective equipment. (05)

OR

- Q.2 a) Explain safety precautions to be taken in use of electricity. (05)
b) Write short note on installation of earthing system. (05)

- Q.3 a) Write short note on mechanical hazards in industrial safety. (05)
b) Explain the harmful effects of toxic chemicals on human beings. (05)

OR

- Q.3 a) Write short note on safety analysis and risk analysis. (05)
b) Explain safety measures to avoid occupational diseases. (05)

- Q.4 a) State and explain the standards for lighting and colour. (05)
b) Describe the impact of vibrations on human health. (05)

OR

- Q.4 a) Describe the effects of noise on man. (05)
b) Explain safety in any one of the following industry: (05)
i) Agro-Industry
ii) Sugar-Industry
iii) Textile-Industry.

- Q.5 a) State the rules regarding first aid facility. (05)
b) Write short note on the Electricity Act 2003. (05)

OR

- Q.5 a) Explain the significance of Indian Electricity rules. (05)
b) State the rules regarding fire fighting safety. (05)

- Q.6 a) Explain one case study in Processing Industry with reference to industrial safety practices. (05)
b) Explain one case study in Hazardous Material Industry with reference to industrial safety practices. (05)

OR

- Q.6 a) Explain one case study in Engineering Application Industry with reference to industrial safety practices. (05)
b) Explain one case study in Chemical Industry with reference to industrial safety practices. (05)
