

B.E. (Fire Engineering) Sixth Semester (C.B.S.)
Industrial, Rural & Forest Development

P. Pages : 1

Time : Three Hours



NRT/KS/19/3967

Max. Marks : 80

- Notes :
1. All questions carry marks as indicated.
 2. Solve Question 1 OR Questions No. 2.
 3. Solve Question 3 OR Questions No. 4.
 4. Solve Question 5 OR Questions No. 6.
 5. Solve Question 7 OR Questions No. 8.
 6. Solve Question 9 OR Questions No. 10.
 7. Solve Question 11 OR Questions No. 12.
 8. Due credit will be given to neatness and adequate dimensions.
 9. Illustrate your answers whenever necessary with the help of neat sketches.
 10. Use of non programmable calculator is permitted.

1. Explain the various gears used for rural fire fighting. **13**
OR
2. Discuss the different causes of fire in rural area. **13**
3. Discuss the importance of Industrial zoning. **13**
OR
4. Explain the factors which should be considered in Zoning of power plant. **13**
5. Explain the various hazards present in chemical plants. What are the precautions to be taken during storage & handling of chemicals. **14**
OR
6. a) Discuss the classification of industrial hazardous zones. **7**
b) What are the safety measures to be taken while handling & storage of radioactive material. **7**
7. a) Explain the importance of forest development. **7**
b) Discuss the economic importance of forest. **7**
OR
8. a) What are the objectives of forest development Discuss. **7**
b) Explain the various threats to forest. **7**
9. a) Discuss the hazards present in forest. **7**
b) Explain the wild fire & its type. **6**
OR
10. a) Explain various techniques used in wild fire fighting. **7**
b) Discuss the factors affecting the fire behaviour in forest. **6**
11. Explain various quantitative risk assessment techniques with examples. **13**
OR
12. Explain semi-quantitative techniques used for fire risk assessment with examples. **13**
