

**B. Tech Degree V Semester (Supplementary) Examination
July 2009**

**SE 506 SAFETY IN CONSTRUCTION
(2006 Scheme)**

Time : 3 Hours

Maximum Marks : 100

PART - A

(Answer **ALL** questions)

(All questions carry **EQUAL** marks)

(8 x 5 = 40)

- I. (a) Write notes on Human factors affecting safety.
(b) List major safety conditions incorporated in a contract.
(c) Enumerate the safety aspects to be taken care of while doing tunneling operations.
(d) Mention the safety precautions to be taken in blasting operation.
(e) Write a note on protective equipments and apparels.
(f) What are important points to be considered while using hydraulic tools in construction?
(g) Write a note on training of building workers as per Building and other Construction Workers (RE & CS) Act and Rules.
(h) Mention the important provisions in Contract Labour Act regarding payment of wages.

PART - B

(4 x 15 = 60)

- II. Explain the role of the owner and design engineer in ensuring safety in construction. (15)
OR
III. Explain the technological and organization aspects of safety in construction. (15)

IV. Briefly explain the various provisions on construction safety contained in National Building Code of India. (15)
OR
V. (a) What are the important points to be considered while making scaffolding? (7)
(b) Briefly explain the safety in under water. (8)

VI. Briefly explain the safety in storage and stacking of construction materials. (15)
OR
VII. Briefly explain the safety measures to be adopted while using Mixers, Tower Cranes and Wire Ropes. (15)

VIII. Discuss the Licensing of Contractors in Contract Labour Act and Rules. (15)
OR
IX. Briefly describe the provisions in the Building and other Construction Workers (RE & CS) Act and Rules regarding General Safety, Health and Welfare provisions of workers. (15)

