

1. Attempt any FIVE.**20 Marks**

- a) Explain importance of seismic structural soundness.
- b) Write safety measures to be taken, while working in a tunnel.
- c) Write hazards and their safety measures to be taken in the process of excavation.
- d) Write safety measures to be taken in use of machinery and equipment related to under water portions.
- e) Write hazards and their control measures in asphaltting process.
- f) Write hazards and their control measures in construction / repair work of chimney.
- g) List out the safety measures to be taken while handling construction machinery and transport equipment.
- h) Write down the safety measures to be taken during repairs activity of construction.

2. Attempt any FOUR.**16 Marks**

- a) Write the personal protective equipments used in construction industry.
- b) Write a note on cofferdams. P.T.O.
- c) Write safety precautions to be taken in storage, handling and stacking of material on a construction site.
- d) Write the hazards and their control measures to be taken for constructing a high rise building.
- e) Write the special precautions 'to be taken while working at silos.
- f) Write the safe ways of carrying out 'Alterations'.

3. Attempt any FOUR.**16 Marks**

- a) Define an "Explosive". Write safe means of storing and using them.
- b) Explain safety prevention for avoiding the collapsing structure.
- c) Write hazards and their control measures while constructing fractionating column.
- d) Write sequence of demolition activity along with hazards and their control measures.

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**United States. President (2001-2009 :
Bush)**



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