

Seat
No.

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महात्मा - 013

Safety Management in Construction

P. Pages : 2

Time : Three Hours

Max. Marks : 100

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Answersheet should be written with blue ink only. Graph or diagram should be drawn with the same pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. Answer **any five** questions.

1. a) Discuss Safety Management in Construction industry. Explain in detail Supervisory safety function to be performed by the site supervisor. 10
b) What are the requirement of a good construction safety manager? Discuss (i) Humanitarian concern & (2) Economic concern in context to construction safety. 10
2. a) Discuss the role of following in safety management (i) Designer (ii) Worker. 10
b) List out common type of construction accident. Discuss any four types of accidents & the legal support that can obtained in each case. 10
3. What is responsibility Matrix? Considering an bridge construction site on a state Highway drawup on organisational chart & explain role of each in detail. 20
4. a) What are the general guidelines & procedure for construction safety performance? Discuss Behaviour based safety method for performance measurement. 10
b) Discuss the guidelines & procedure for safety in following case (i) Forklift (ii) Hoist. 10
5. a) What is the need for safety training. Discuss employer's induction training & on site induction training. 10
b) What is a predominantly combustible structure ? Discuss the role of person responsible for fire safety & What are the basic support system required for fire fighting. 10

6. a) What is the necessity of safety audit? Develop a standard audit format for
i) Site security & ii) Electrical safety. 10
- b) What are the first aid requirement for sites? Who is an first aider & discuss
the standard requirement of first aid quantities on site. 10
7. Explain the following : 20
- i) Project specific training.
 - ii) Trench Collapse.
 - iii) Measurement of Safety.
 - iv) Legal aspect in Safety Management.
