



Safety Management in Construction (1070)

P. Pages : 2

Time : Three Hours

Max. Marks : 100

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Answer sheet 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. Solve **any five** questions.

1. a) Prepare a safety checklist for 'working at heights'. 10
b) List causes of accidents at site. Give remedial measures. 10
2. a) List all safety equipment used by a worker on site (P.P.E.S.) & their uses. 10
b) Write a note on safety training. Prepare safety training program for tunneling work. 10
3. a) Define safety audit. Develop a standard audit for i) electrical safety & ii) explosives safety. 10
b) List responsibilities of consultant & owner in achieving safety at site. 10
4. a) Write a note on equipment safety in case of i) cranes, ii) heavy equipment used in mass excavation. 10
b) List common types of construction accidents. What are the direct & indirect costs of accidents? What kind of legal support can be obtained in case of accident. 10
5. a) Write a note on safety culture. Briefly describe OSHA standards on occupational Health in case of deep excavations. 10
b) List barriers to achieve safety on site. How to overcome them? 10

6. a) You are the safety officer of 'Bridge Project' on river. Identify the activities prone to the accidents. Prepare safety policy for this project. **10**
- b) Write important clauses of workman's compensation act, 1923. **10**
7. Write note on : **20**
- a) Measurement of safety
- b) First aid at site
- c) Fire safety
- d) Construction safety performance.
