

Model Question

SET-1

[Answer any five questions including Q. No 1 & 2.]

1. Answer all the questions.

2 X 10

- a. Define fiber.
- b. What are the acoustic materials used in construction?
- c. What do you mean by building configuration?
- d. What is prefabrication?
- e. What do you mean by seismic retrofitting?
- f. What is the unit of measurement of light intensity?
- g. What do you mean by owning and operating cost?
- h. Define soil nailing.
- i. What is fuse?
- j. What is shear wall?

2. Answer any six questions.

5 X 6

- a. Describe briefly about the sources of weakness in RC frame building.
- b. State different plan configuration problems.
- c. Write down the materials used in prefabrication system.
- d. Write down the properties and uses of artificial timber.
- e. What do you mean by earthing and describe its uses?
- f. Describe cold water supply in high rise building with neat sketch.
- g. Enumerate safety consideration during additional construction & alteration of existing building.

3. Describe different types of plastic used as construction material (10)
4. Describe different building characteristics from seismic point of view. (10)
5. Describe the classification of retrofitting techniques and their uses (10)
6. Distinguish between lift, escalators and elevators indicating their uses and types. (10)
7. Explain various types of earthmoving equipment with neat sketches (10)

Model Question

SET-2

[Answer any five questions including Q. No. 1 & 2]

1. Answer all the questions. (2x10)
 - a. What do you mean by soil reinforcing?
 - b. What is dragline?
 - c. Define base isolation.
 - d. What is an escalator?
 - e. What do you mean by prefabrication?
 - f. Define soft storey and weak storey.
 - g. What do you mean by mass irregularity?
 - h. What is plaster board?
 - i. What do you mean by PVC & RPVC?
 - j. What is lateral load resisting system?

2. Answer any six questions.

15 X 6

- a. Describe different types of fiber used as construction material.
 - b. Write down different types of prefabricated elements.
 - c. Describe briefly the vertical irregularities.
 - d. Briefly explain operating cost.
 - e. Write down different methods and problems on ventilation.
 - f. State general principles for central plants layout for hot water supply.
 - g. Write down the properties and uses of acoustic materials.
3. Describe various types of cladding used in construction. 10
4. Describe different additional strengthening measures that are adopted in masonry buildings for earthquake resistance. 10
5. Write down the uses of wiremesh & geosynthetic in soil reinforcing techniques. 10
6. Describe the system of ventilation with neat sketch. 10
7. Write down advantages and disadvantages of prefabrication. 10