

Sub Code:**CET-501**

ROLL NO.....

**SEMESTER EXAMINATION, 2022-23
YEAR**

Programme – Ist Yr. M.Tech – INFRASTRUCTURE ENGINEERING

Infrastructure PLANNING

Duration : 3:00 hrs

Max Marks: 100

Note:-Attempt all questions. All Question carry equal marks. In case of any ambiguity or missing data, the same may be assumed and state the assumption mad in the answer.

Q 1. Answer any four parts of the following.

- a) Discuss objectives of project management.
- b) What are the contractual disputes.
- c) What is Infrastructure? Explain in detail various phases of infrastructure.
- d) Discuss the main organizational structure for large scale construction.
- e) Why is scheduling important in project.
- f) Discuss case study of any typical infrastructure project giving technical and planning details.

Q 2. Answer any four parts of the following.

- a) Write a note on “Infrastructure development history in India”.
- b) Define project management. What is the need of project management.
- c) Enlist the different types of project organization.
- d) Explain the phases of project management.
- e) What do you understand by mind mapping.
- f) Discuss the common project management process interactions.

Q 3. Answer any two parts of the following.

- a) Explain project integration management. Discuss various processes of project integration management.

b) Discuss project scope management in brief.

c) Which are the project management process groups? Discuss any one group in detail.

Q 4. Answer any two parts of the following.

a) Explain the common deficiencies in design leading to the failure of the formwork

b) Write Down the safety norms involved in the design of form work and false work

c) State advantages of slip formwork. Draw sketch of slip form work and show components on it.

Q 5. Answer any two parts of the following.

a) Discuss types of Tenders.

b) Discuss

(i) Earnest money deposit and

(ii) Security deposit.

c) Explain in brief different types of risk involved in a large scale construction project.