

Q.P. Code : 31792**(3 Hours)****[Total Marks : 80**

N.B

Attempt any four questions.

Legible handwriting and practical examples will be appreciated.

All sub questions in Q2 to Q6 carry 10 marks each.

- Q.1 (All sub questions carry 05 marks each) (20)**
- Write a note on importance of quality control in construction.
 - Write a note on quality circle.
 - What are the difficulties in the use of TQM in the construction process?
 - What are the elements of quality construction?
- Q.2 (20)**
- Explain in detail quality manuals format and content. What are outline of typical quality manuals.
 - Explain benchmarking. What are steps in the benchmarking process?
- Q.3 (20)**
- Explain measures taken by construction manager for improving quality of construction.
 - Explain in detail steps to register ISO-9000.
- Q.4 (20)**
- Explain in detail quality standards related to:
(i) Plastering (ii) Foundation work (iii) Masonry work.
 - Prepare check list for column concreting.
- Q.5 (20)**
- Write a note on British Quality Standards. What are the standards related to:
i) Structural steel work (ii) Prestressed concrete work (iii) Aggregates.
 - Explain in detail documentation of quality system. What are the documents to be prepared in quality system?
- Q.6 (20)**
- Write a note on Quality Standards as per Indian standards specifications for fine aggregate and coarse aggregate.
 - How to check Quality in the concreting of the following:
(i) Foundation work (ii) RCC work (iii) Prestressed concrete work