

**INDIAN INSTITUTE OF TECHNOLOGY
Kharagpur**

Date..... FN/AN Time 2/3 Hrs. Full Marks 80 No. of Students 44

Mid-Semester Dept. Architecture & Regional Planning Sub. No. AR 32003

III Yr.B.Arch (H)

Sub. Name: Specifications

Instruction: Answer any Four Questions

- Q. 1. What is the Technical Section of a construction specification? (05)
Explain the CSI- 3 Part Section Format for Technical Section. (15)
- Q. 2. Outline the function of specifications with reference to Legal and Insurance Considerations, Subcontractor's Limits and Inspection and Testing Procedures. (10)
Explain with examples the different types of specifications with a note on the suitability of each type. (10)
- Q. 3. Discuss the chronological development of specifications writing. (05)
Explain the 16 Division CSI Format for organization of specifications. (15)
Suggest a new 17th Division considering the present construction scenario. (05)
- Q. 4. What is the role of an Architect in the following? (05)
- Invitation to bid
 - Instruction to bidder
 - Preparation of bid form
- Prepare the above items for the following work:
Construction of a cyber café in IIT campus (assume relevant standards and specifications). (15)
- Q. 5. How do you check the suitability of earth for making bricks? (02)
What are the dimensions of modular bricks? (02)
Write a short note on classification of bricks. (10)
Write a short note on tests for bricks (any two). (06)
- Q. 6. What kind of specific language would you use to write construction specifications? (05)
Explain with reference to the different Maxims for specification writing. (15)
- Q. 7. Write short notes on the following: (4x5)
- (a) Residuary Legatee Clause
 - (b) Mobilisation Fund
 - (c) Bidders List of Substitution
 - (d) Product Approval Standards
 - (e) Security Deposit.