

~~Extra.~~  
Prof. Lav Singh

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

MID SEMESTER EXAMINATION-2015

M.Tech II<sup>nd</sup> Semester

COURSE CODE: 10M11CE211

MAX. MARKS: 30

COURSE NAME: Construction Contracts and Law

COURSE CREDITS: 03

MAX. TIME: 2 HRS

*Note: All questions are compulsory. Question paper has 1 side printed.  
Attempt the questions of a section together.*

**Section A**

**(Marks: 6x1 = 6)**

1. Enlist the documents which essentially comprise a construction contract.
2. Make a flowchart representing the categories of contract.
3. Discuss the significance of estimated B.O.Q in a construction project.
4. Briefly explain the differences between bid document, contract document and construction document.
5. Describe the terms D-B-B and Turnkey Variation in context of Construction Project delivery.
6. Discuss the classification of project procurement method.

**Section B**

**(Marks: 3x3 = 9)**

1. Explain the common types of construction engineering contracts. And, compare the following types of contracts:
  - a. Item rate contract v/s lump-sum contract
  - b. Cost plus contract v/s turnkey contract
2. Discuss the term project life cycle. Explain how this cycle is used as a management tool. Diagrammatically represent the construction project life cycle and activities performed in each phase.
3. Explain the design and build approach of integrated project procurement method. Also mention the advantages and disadvantages of design and build approach.

**Section C**

**(Marks: 3x5 = 15)**

1. Explain the necessity of involving private participation in infrastructure development. What is the structure and salient features of BOT form of public-private partnership? Explain with the background of road construction on BOT basis.
2. What are the conditions of contract in a contract document? Why is it recommended to use standard form of contract? What are the matters to be defined in the conditions of contract? Elaborate.
3. An entrepreneur wishes to set up a medium sized food processing unit near Kolkata. He wishes to invite sealed tenders from prospective contractors for the civil and structural items of the proposed factory complex. You, as his project manager, are being advised to publish in local dailies a notice inviting tender and to prepare tender documents for the purpose. The project manager (you) engages a consultant to prepare the tender drawings, bill of quantities and the technical specifications. Prepare the NIT and the conditions of contract. Assume a general data and specifications needed for a typical factory complex.