



**UG-8009**  
**B. Arch. V (Sem. IX) Examination**  
**May/June – 2012**  
**Construction Management (AR - 904)**

Time : 2 Hours]

[Total Marks : 50

**Instructions :**

(1)

<p>नीचे दृशावेक निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : <b>B. Arch. V (Sem. IX)</b></p> <p>Name of the Subject : <b>Construction Management (AR - 904)</b></p> <p>Subject Code No. : <b>8 0 0 9</b> Section No. (1, 2,.....) : <b>Nil</b></p>	<p>Seat No. : <input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/></p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center; width: 100%;">Student's Signature</div>
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- (2) Use of non-programmable scientific calculator is allowed.
- (3) Draw neat sketches wherever necessary.
- (4) Attempt all questions.
- (5) Figures to the right indicate full marks.

- 1 Answer any four of the following : 8
- (1) Define the term "supply" and state the "law of supply".
  - (2) Differentiate between inflation and deflation.
  - (3) Narrate the steps involved in "demand forecast".
  - (4) What is meant by cost benefit analysis ?
  - (5) Enlist and explain in brief phases of a project life cycle.
  - (6) Explain the terms : scarcity, perfect competition.
- 2 What do you understand by PPP model of construction contract ? Enlist advantages of PPP model over conventional contract. Enlist various types of PPP models and explain any one. 12

OR

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[Contd...

Narrate different types of supply curves; define and explain 12 briefly giving examples of each supply curve.

**3** Solve the following. **15**

For a small project of 12 activities, the details are given below. Draw the Network and compute earliest occurrence time, latest occurrence time and find the critical activities and project completion time.

<i>Sr.</i>	<i>Activity</i>	<i>Duration(Days)</i>	<i>Preceding Activity</i>
1	<i>A</i>	3	–
2	<i>B</i>	12	–
3	<i>C</i>	9	–
4	<i>D</i>	8	<i>B,C</i>
5	<i>E</i>	7	<i>A</i>
6	<i>F</i>	5	<i>C</i>
7	<i>G</i>	10	<i>E</i>
8	<i>H</i>	8	<i>E</i>
9	<i>I</i>	6	<i>D,F,H</i>
10	<i>J</i>	9	<i>E</i>
11	<i>K</i>	12	<i>I,J</i>
12	<i>L</i>	7	<i>G</i>

**4** Write notes on any five of following. **15**

- (1) Job layout
- (2) Rules to draw a network diagram
- (3) Organization of a construction project management
- (4) Demand curves and its importance
- (5) Various labour laws applicable in India
- (6) Role of a project manager.