



SD-8009

B. Arch. V (Sem - IX) Examination

May / June - 2011

Construction Management : Paper - AR-904

Time : 2 Hours]

[Total Marks : 50

Instructions :

(1)

नीचे दशांशवैव निशानीवाणी विगतो उत्तरवही पर अवश्य लिखनी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="B. Arch. - 5 (Sem - 9)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Construction Management : Paper - AR-904"/>	<input type="text"/>
Subject Code No. : <input type="text" value="8"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="9"/>	<input type="text"/>
Section No. (1, 2,.....): <input type="text" value="Nil"/>	
Student's Signature	

(2) Figures to the right indicate full marks.

(3) Neat sketches or illustrations shall carry more credentials.

- 1 (a) Answer in brief : 5
- (1) Define Event.
- (2) Define Network.
- (3) What is PERT ? Explain briefly.
- (4) What is 'Dummy Activity'.
- (5) Define forward pass and Backward pass.
- (b) What do you understand by Work-Break down ? 7
Explain.
- 2 (a) Which are the various departments in the construction 8
firm. Draw an organizational chart and explain roles
and responsibilities of each department.

OR

- (a) Explain job layout in detail with a neat sketch. 8
- (b) What is a Bar chart ? Describe the limitations of a 8
bar chart and various modifications evolved in due
course of time.

- 3** Write short notes : (any **three**) **12**
- (i) Minimum Wages Act.
 - (ii) Job layout.
 - (iii) R & D Department.
 - (iv) Rules for Developing Network.
- 4** Prepare a network diagram based on the following table **10**
and find out :
- (i) Total Project duration.
 - (ii) Total Float.
 - (iii) Critical Path and Critical Activities.

Sr. No.	Activity description	Predecessor	Duration
A	Excavation	--	6
B	Foundation	A	9
C	Plinth	B	6
D	Masonry	C	7
E	UG Drainage	C	8
F	RCC slab	D	14
G	Water proofing	F	8
H	Plastering	D	5
I	Door window fitting	C	12