B. Tech. DEGREE EXAMINATION, MAY - 2015

(Examination at the end of Final Year)

CIVIL ENGINEERING

Paper – II : Construction Management

Time : 3 Hours   **Maximum Marks : 75**

Answer question No. 1 compulsory   *(15)*

Answer ONE question from each unit   *(4 x 15 = 60)*

1)   a)   Define activity.

     b)   Define critical activity.

     c)   What is scheduling?

     d)   Define equity.

     e)   Define indirect cost.

     f)   State the difference between direct cost and indirect cost.

     g)   Write a note on fault free analysis.

     h)   What are dummies?

     i)   What do you mean by business cycle?

     j)   What is payback period?

     k)   Expand MIS.

     l)   What is a bond?

     m)   Define slack.

n) What is meant by float?

o) What is a mile chart?

Unit - I

2) a) Discuss in brief the main causes of project failure.

b) Define scheduling. Explain the methods of scheduling in detail.

OR

3) a) Explain the method of preparing bar charts with help of suitable example.

b) What are the short comings of bar chart.

Unit – II

4) a) Drawing the network – describe it.

b) Draw an event diagram for the following data and number it using Fulkerson's rule.

Events   :   A   B   CD   E   F   G   HIJ

Followed by :   BC,   D,   EGFF,   H,   I HH,   I   IJ–

OR

5) a) Differentiate between PERT and CPM network.

b) Discuss various rules of providing dummies in a net work. What are the redundant dummies

Unit – III

6) What are the objectives of material management?

OR

7) Explain in detail : Material procurement, stores management.

Unit – IV

8) a) What is quality assurance and explain its techniques?

b) Explain about safety budgeting and safety information system.

OR

9) Explain the following :
a) Communication tools for construction field.
b) Business cycle.
c) Discounted cash flow analysis.

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