

Total No. of Questions : 6]

P9

SEAT No. :
[Total No. of Pages : 2

TE/Insem./APR - 12
T.E. (Civil Engineering)

301008 : PROJECT MANAGEMENT & ENGINEERING ECONOMICS
(2015 Pattern) (Semester - II)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) Solve either Q. No. 1, or Q. No. 2, Q. No. 3, or Q. No. 4 and Q. No. 5 or Q. No. 6.
- 2) Neat diagrams must be drawn whenever necessary.
- 3) Figures to the right indicate wherever necessary.
- 4) Use of logarithmic tables slide rule, Mollier charts, electronic pocket calculator and steam tables is allowed.
- 5) Assume suitable data, if necessary.

Q1) a) Explain project life cycle concept with suitable example. [4]

b) Explain the different project categories. Enlist the causes of failure of project. [6]

Q2) a) Explain importance of construction project management. [4]

b) Draw & Explain matrix organisation. Explain it's merits & demerits. [6]

Q3) a) Writedown the "WBS" for Highrise building. [4]

b) Write a short note on

- i) Fulkerson rules for numbering
- ii) AOA & AON

OR

P.T.O.

Q4) a) Explain types of activities & events with the help of site related example. [4]

b) The following table shows the project along it's duration. Draw a neat diagram & also find critical path. Follow the rules. [6]

Activity	duration
1-2	3
1-3	2
1-4	6
2-4	5
2-5	7
3-4	2
4-5	4

Q5) a) Yearly requirement of cement by a large firm is 300 bages. The cost of bag is 300/- lead time is one month & ordering cost per order is 200/- Assume annual carrying cost for inventory is 20% of avg. inventory management. Find EOQ & total inventory cost. [6]

b) Write down safety program for construction of Pune ring road project. [4]

OR

Q6) a) Explain merits & Demerits of ERP system. [4]

b) Explain any one method of selective inventory control with suitable example. [6]

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