Total No. of Questions : 6]

Instructions to the candidates:

P9

TE/Insem./APR - 12

SEAT No. :

[Total No. of Pages : 2

T.E. (Civil Engineering)

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

Time : 1 Hour]

[Max. Marks : 30

- Solve either Q. No. 1, Q. Q. No. 2, Q. No. 3. or Q. No. 4 and Q. No. 5 or Q. No. 6. **1**)
- 2) Neat diagrams must be drawn whenever necessary.
- 3) Figures to the right indicate wherever necessary.
- Use of logarithmic tables slide rule, Mollier charts, electronic pocket calculator **4**) and steam tables is allowed.
- Assume suitable data, if necessary. 5)
- Explain project life cycle concept with suitable example. [4] *01*) a)
 - Explain the different project categories. Enlist the causes of failure of b) project. [6]
- Explain importance of construction project management. *Q2*) a)
 - Draw & Explain matrix organisation. Explain it's merits & demerits. [6] b)
- 240.2000 Q3) a) Writedown the "WBS" for Highrise building.

[4]

[6]

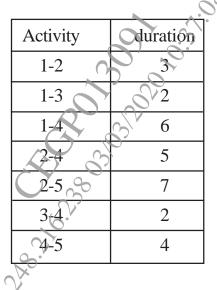
- Write a short note on b)
 - Fulkerson rules for numbering i)
 - AOA & AON ii)

P.T.O.

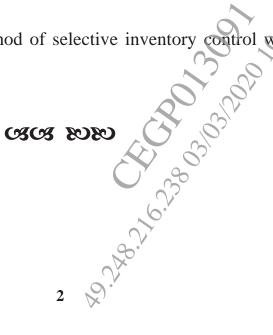
- Q4) a) Explain types of activities & events with the help of site related example.
 - b) The following table shows the project along it's duration. Draw a neat diagram & also find critical path. Follow the rules. [6]

[4]

[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.
 - b) Write down safety program for construction of Pune ring road project.
- Q6) a) Explain merits & Demerits of ERP system.
 - b) Explain any one method of selective inventory control with suitable example. [6]



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