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#### **CODE NO:- Z-319**

#### **FACULTY OF ENGINEERING**

## B.E. (Civil)Year Examination - June–2015

# Construction Management

(Revised) [Time: Three *Hours*] [Max. Marks: 80] "Please check whether you have got the right question paper." i) Solve any three questions from each section. ii) Assume suitable data wherever necessary. iii) Figures to the right indicate full marks. SECTION-A a) List out the rights and responsibilities of project manager. Q.1 07 b) Explain the role of construction industry in national development. 07 Describe in brief project initiation and project implementation. Q.2 07 Explain the term project management life cycle. 06 Q.3 Explain the criteria for selection of construction equipment for projects. 07 Describe in brief the various parts of dragline with sketch. 06 The network for a certain project is shown in the fig.1 determine the expected time for each of path 13 **Q.4** which path is critical. 8-10-12 5-8-12 8-10-12 5-7-10 3-5-6 12 Q.5 Write short notes on (any three) i) Cost optimization construction management ii)Network updating iii) CPM iv) Hydraulic excavator. **SECTION-B** Describe the terms fixed capital and working capital. 07 Q.6 b) Explain the term cost of project. 07 Q.7 a) Explain wage structure. 07 Explain the importance of manpower in construction organization. 06 Explain the terms internal and external communication. 07 Q.8 Write a note on effective organizational communication. 06

Discuss EOO model n detail.

Write short notes on (any three)

iii) Electronic communication.

i) Oral communicationii) Benefit cost ratio.

i) Software use in project planning

Q.9

Q.10

A construction company purchases 1000 bags of cement anually each bag of cement costs Rs. 200 and

the cost incurred in procuring each lot is Rs. 100. The cost of carrying is 25% what is the most

economic order quantity? What is the average inventory level?

07

06

12