Roll No. [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]   Total No. of Pages : 02

Total No. of Questions : 09

B.Tech. (CE-2011 Batch) (Sem.–4th)

CONSTRUCTION MACHINERY & WORKS MANAGEMENT

Subject Code : BTCE-402

Paper ID : [A1172]

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students has to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students has to attempt any TWO questions.

SECTION-A

1. Write briefly :

   a) What is a bar chart and its drawbacks?

   b) Define the term total float, free float and share float.

   c) What are characteristics of Normal Distribution?

   d) What is a milestone chart?

   e) Differentiate between an activity & an Event.

   f) Define the term "Line of Balance".

   g) What does ITS and FS stand for?

   h) How do you select the size of a power shovel?

   i) Explain the Variance and Standard Deviation.

   j) Explain compaction of concrete.

SECTION - B

2. Explain batching, mixing and placing of conc

3. What is a network diagram? What is the di CPM?

4. Describe the basic rules for construction of r

5. Derive graphically a relationship between optimum cost.

6. Explain the working of a Dragline.

SECTION - C

7. A project has the following schedule. Cons compute the earliest start time for each activi

Activity	Time (weeks)
A	3
B	2
C	4
D	5
E	3
F	6

8. Write the functions & operating principles of :

   i) Hoe

   ii) Bull Dozer.

9. Describe the basic concepts on which the acc