

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**DIPLOMA ENGINEERING - SEMESTER-V • EXAMINATION – WINTER 2013**

**Subject Code: 350603****Date: 03-12-2013****Subject Name: Construction Works and Management****Time: 02:30 pm - 05:00 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. English version is considered to be Authentic.

- Q.1 (a) Explain important function of construction work management. 07  
 (b) Discuss the role of Engineer in construction Team. 07
- Q.2 (a) Explain importance of highway planning. 07  
 (b) Enlist principles of planning and explain each in brief. 07  
 OR  
 (b) Explain importance of Motivation. How can it be achieved? 07
- Q.3 (a) List merits and demerits of CPM network. 07  
 (b) Enlist forms of business. Explain any one of it in detail. 07  
 OR
- Q.3 (a) Write short notes on  
 (i) Materials Handling (ii) Economic order quantity 07  
 (b) Enlist steps required to take care in storage of materials, 07
- Q.4 (a) List importance provisions of workmen's compensation act. Explain each in brief. 07  
 (b) Differentiate between standard and special equipment. 07  
 OR
- Q.4 (a) Explain various parameter to be considered while considering proposal of purchasing an equipment. 07  
 (b) Activity and duration of a project is given below. Determine critical path and float. 07

Activity	Sequence code	Duration weeks
A	1-2	5
B	2-3	9
C	2-4	3
D	3-6	2
E	4-5	4
DUMMY	3-5	0
F	5-7	7
G	6-7	3
H	7-8	9
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- Q.5 (a) Enlist parameters affecting quality control. Explain each in brief. 07  
 (b) List important safety measures for concrete framed structures. 07

OR

- Q.5 (a) With the help of flow chart explain MIS implementation. 07
- (b) Give the list of various types of waves originating from epicenter and show its damaging effects. 07

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