

Total Pages—4

V—Sem/CIVIL/2015(W)

(2)

CONSTRUCTION MANAGEMENT

(Code : CET-601)

Full Marks : 70

Time : 3 hours

Answer any five questions

Figures in the right-hand margin indicate marks

- 1. (a) Define indent and invoice. 2
- (b) Draw a construction organisation chart for a National Highway construction with their duties. 5
- (c) What do you mean by destructive and non-destructive methods in Quality Control ? 7
- 2. (a) Define labour schedule. 2
- (b) Describe the steps for inspection and testing of construction equipments. 5

- (c) The following table gives the activities in a construction project (i) Draw the network for the project (ii) Find the critical path (iii) Find free float and total float for each activity. 7

Table

Activity	Duration
1-2	20
1-3	25
2-3	10
2-4	12
3-4	06
4-5	10

- 3. (a) Define pessimistic time. 2
- (b) State the limitations for bar chart. 5
- (c) Draw a bar chart for construction of 'Engineering school building' from site selection to final finishing. 7
- 4. (a) What do you mean by safety consciousness ? 2

(3)

- (b) What are the basic concept to be followed for the quality in construction work ? 5
- (c) Write the highlights of 'Workman's compensation Act' in safety legislation. 7
5. (a) Find the expected time if optimistic time is 12 days, most likely time is 14 days and pessimistic time is 15 days. 2
- (b) What are the advantages of network technique? <http://www.sctevtonline.com> 5
- (c) Describe, how to control the financial and physical progress by corrective measures. 7
6. (a) What do you mean by owning and operating cost of equipment ? 2
- (b) Explain briefly how the human relationship will help to a project to be successful. 5
- (c) Explain how the labour incentives will motivate to the labours and mention the period of incentives. 7

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7. (a) Define intrapersonal and interpersonal. 2
- (b) What are the conflicts arises in an organisation and mention the remedies to solve the conflicts ? 5
- (c) Write some important labour laws and case studies related to labour disputes in India and briefly elaborate them. 7

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