

7TH SEM./CIVIL[PT]/ 2021(W)
Th2 - Construction Management

Full Marks: 80

Time- 3 Hrs

Answer any five Questions including Q No.1& 2
Figures in the right hand margin indicates marks

1. Answer **All** questions 2 x 10
 - a. What is meant by "Dummy Activity".
 - b. What are the components of a construction team.
 - c. What is bin card?
 - d. What do you mean by job layout.
 - e. Name different types of organization.
 - f. What is time rate system of wage payment.
 - g. What do you mean by owning and operating cost.
 - h. What do you mean by non destructive methods of quality control?
 - i. What are the psychological cause of accident.
 - j. What are the objectives of progress control?

2. Answer **Any Six** Questions 6 x 5
 - a. State the difference between CPM and PERT.
 - b. What are the limitations of bar chart.
 - c. State the need for inspection and quality control in construction work.
 - d. Outline the advantages and disadvantages of line and staff organization.
 - e. What are the principles for storing material at site?
 - f. What are the points which are to be considered at the time of preparing layout of equipments.
 - g. Explain different characteristics of labour.

3. Explain the causes of accidents on a construction site. Describe the safety measures required in excavation and demolition work. 10
4. Describe various stages of planning for construction. 10
5. What are the types of organization ? Explain briefly with their advantages and disadvantages. 10
6. (a) What do you mean by equipment schedule and how is it prepared. 5
(b) State the factors to be considered while selecting equipment. 5
7. (a) Define motivation and mention different types of motivation. 5
(b) Describe methods of recording progress of work. 5

V-SEM/CIVIL/ 2021(W)

CET- 601 Construction Management

Full Marks: 80

Time- 3 Hrs

Answer any five Questions including Q No.1& 2
Figures in the right hand margin indicates marks

1. Answer **All** questions 2 x 10
- a. What are the components of a construction team?
 - b. Differentiate between CPM and PERT.
 - c. What is bin card?
 - d. What are the roles of a leader?
 - e. What do you mean by owning and operating cost?
 - f. For the location of equipment at the site of work, what are the points to be considered.
 - g. Differentiate between time rate system and piece rate system of wage payment.
 - h. What do you mean by non destructive methods of quality control?
 - i. What are the objectives of equipment management?
 - j. What are the physiological causes of accident?
2. Answer **Any Six** Questions 5X6
- a. Explain different stages of construction planning.
 - b. What are the principles for storing material at site?
 - c. Explain functional organization and outline its advantages and disadvantage.
 - d. What do you mean by equipment schedule and how it is prepared?
 - e. Give a brief account of various quality control methods.
 - f. Explain monitoring progress of work and objectives of progress control.
 - g. Explain the causes and effects of accidents in construction work.
- 3 (a) What are different types of organization? Explain briefly with their advantages and disadvantages. 7
- (b) What are different types of conflict situation created in an organization? 3
- 4 (a) List out the informations that is obtained by review of plans and specifications for site organization or for job lay-out. 5
- (b) What is working drawing and what are the points to be included in working drawing. 5
- 5 (a) What are the factors to be considered while selecting an equipment. 5
- (b) Give a brief account of equipment maintenance plan. 5
- 6 (a) How is the analysis of progress of work is done and what corrective measures are adopted. 7
- (b) Why planning is necessary for a constructional project. 3
- 7 Describe the safety measures in work sites for excavation, scaffolding and form work. 10