

## CONSTRUCTION MANAGEMENT AND ENTREPRENEURSHIP

Course code	Course title	No. Of period/week	Total no. Of periods	Marks for Formative Assessment	Marks for Summative Assessment
C-505	Construction Management and Entrepreneurship	03	45	20	80

### Model Paper for Unit Test-I :

State Board of Technical Education and Training,

A.P. Diploma in Civil Engineering (DCE)

Fifth Semester :: C-505, Construction Management and Entrepreneurship

Time: 90 Minutes

Maximum

Marks : 40 PART- A

16

Marks

### Instructions:

(i) Answer all questions

(ii) First question carries FOUR marks, each question of remaining carries THREE marks.

- A construction manager will supervise & manage contractors and labour at construction sites. - True/False (CO1)
  - The difference between the time available to do a job and the time required to do a job is known as Bloat - True/False (CO2)
  - The sanction of the competent authority to a properly detailed estimate for a work to be done is known as ----- (CO1)
  - The process whereby governments and financial institutions invite bids for large projects that must be submitted within finite deadlines (CO3)
- State the need for scientific management of projects (CO1)
- Define the terms CPM and PERT. (CO2)
- What do you mean by (i) Activity (ii) Event (CO2)
- State three contract systems. (CO3)

PART- B

3 x 8 = 24 Marks

### Instructions:

(i) Answer all questions

(ii) Each question carries EIGHT mark

(ii) Answer should be comprehensive and the criterion for valuation is the content but not the length of the answer.

6. (A) Describe the duties of a Chief Engineer in Government Engineering Department (CO1)  
(OR)

(B) Explain the organization structure of a public sector construction company. (CO1)

7. (A) Describe the process of preparation of a network diagram using basic rules of network formation. (CO2)

(OR)

(B) Draw the following CPM network diagram and find the critical path and its duration. (CO2)

Activity	1-2	1-3	2-5	3-4	3-5	4-5
Duration in days	4	3	3	1	3	5

8. (A) State the merits and limitations of different contract systems. (CO3)

(OR)

(B) State the general conditions of contract for civil engineering construction project (CO3)

**Model Paper for Unit Test-II :**  
**State Board of Technical Education and Training,**  
**A.P. Diploma in Civil Engineering (DCE)**

**Fifth Semester :: C-505, Construction Management and Entrepreneurship**

Time: 90 Minutes

Maximum Marks : 40

**PART- A**

**16 Marks**

**Instructions :**

**(i) Answer all questions**

**(ii) First question carries FOUR marks, each question of remaining carries THREE marks.**

1. (a) EMD stands for Earliest Money deposit -- True/False (CO3)  
(b) Indent refers to the process of taking orders from stores – True/False (CO4)  
(c) The method of resolving disputes outside the courts is known as----- (CO3)  
(d) The process whereby governments and financial institutions invite bids for large projects that must be submitted within finite deadlines ...  
(CO3)
2. State the qualifications of a contractor that make him eligible for tender . (CO3)
3. State the importance of verification of stores. (CO4)
4. List different stages of material management. (CO4)
5. State the characteristics of an entrepreneur. (CO5)

**PART- B**

**3 x 8 = 24 Marks**

**Instructions :**

**(i) Answer all questions**

**(ii) Each question carries EIGHT mark**

**(iii) Answer should be comprehensive and the criterion for valuation is the content but not the length of the answer.**

6. (A) List out the conditions of contract agreements. (CO3)  
(OR)  
(B) State the need for arbitration and list the advantages of arbitration. (CO3)
7. (A) Explain the preventive maintenance of plant and equipment . (CO4)  
(OR)  
(B) Explain the importance of training of operators (CO4)
8. (A) Explain the role of entrepreneur in economic development. (CO5)  
(OR)  
(B) Explain the role of human relations and performance in organization. (CO5)

**Model paper for End Examination:**  
**MODEL PAPER – BOARD DIPLOMA EXAMINATION,**  
**(C–23) DCE—FIFTH SEMESTER EXAMINATION**  
**CONSTRUCTION MANAGEMENT AND ENTREPRENEURSHIP (C-505)**

**Time: 3 hours]**

**[Total Marks: 80**

**PART—A**

**3×10=30 Marks**

- Instructions:**
- (1) Answer all questions.**
  - (2) Each question carries three marks.**
  - (3) Answers should be brief and straight to the point and shall not exceed five simple sentences.**

1. State any three functions of management (CO1)
2. What is the need for technical sanction (CO1)
3. Define CPM and PERT (CO2)
4. Define the terms EMD and security deposit (CO3)
5. State the qualifications required for a contractor (CO3)
6. State the need for mechanization. (CO4)
7. Define the terms Indent and Invoice (CO4)
8. Define entrepreneurship. (CO5)
9. State the characteristic of good entrepreneur (CO5)
10. Explain briefly about human resource management. (CO5)

**PART – B**

**5x 10 marks =**

**50**

**Answer any FIVE questions.**

11. Draw a flow chart and explain organization of a construction company for an irrigation project. (CO1)
12. State any ten advantages of network analysis. (CO2)
13. Explain the use of bar chart and its limitations (CO2)
14. "All contracts are agreements but all agreements are not contracts." Explain. (CO3)
15. Explain various steps involved in tender system. (CO3)
16. Explain the importance of verification of stores. (CO4)
17. Explain the requirements of centering, shuttering and scaffolding (CO4)
18. State role of Human relations and Performance in organization. (CO5)