

CONSTRUCTION PRACTICE

Course Code	Course Title	No. of Periods per Week	Total No. of Periods	Marks for Formative Assessment	Marks for Summative Assessment
C-403	Construction Practice	04	60	20	80

Model Test Paper

State Board of Technical Education and Training, A.P.

Diploma in Civil Engineering (DCE)

Fourth Semester: C - 403 CONSTRUCTION PRACTICE

Time: 90 Minutes

Unit Test – I

Maximum Marks: 40

PART – A

16 Marks

Instructions:

- (i) Answer all questions
- (ii) First question carries FOUR marks.
- (iii) Remaining questions carries THREE marks.

1. (i) The full form of DPC is _____. (C01)

(ii) The queen closer is a brick of full length and thickness but half the width.
(True/False) (C02)

(iii) The depression made in the brick on its surface during manufacturing
is called _____. (C02)

(iv) The full form of DPC is _____. (C01)

2. Define the bearing capacity. (C01)

3. Draw the top view of two consecutive layer of one brick wall in English bond. (C02)

4. State three principles of locating doors in building. (C03)

5. State any three types of windows. (C03)

PART – B

3 X 8 = 24 Marks

Instructions:

- (i) Answer all questions
- (ii) Each question carries EIGHT marks.
- (iii) Answer should be comprehensive and the criterion for valuation is the content but

not the length of the answer.

6. (A) Explain any two classifications of buildings as per NBC with examples. (C01)
OR
(B) Explain any two investigations required for foundation as per NBC. (C01)
7. (A) What are the general principles to be in stone masonry construction? (C02)
OR
(B) Explain with the neat sketches, the construction of brick masonry wall in English bond for alternate layers of one brick wall thickness. (C02)
8. (A) Explain about any four component parts of a Paneled door with a neat sketch. (C03)
OR
(B) Explain any two special types of doors and windows. (C03)

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Model Test Paper

State Board of Technical Education and Training, A.P.

Diploma in Civil Engineering (DCE)

Fourth Semester: C - 403 CONSTRUCTION PRACTICE

Time: 90 Minutes

Unit Test – II
PART – A

Maximum Marks: 40
16 Marks

Instructions:

- (i) Answer all questions
 - (ii) First question carries FOUR marks.
 - (iii) Remaining questions carries THREE marks.
1. (i) A lintel is constructed above openings to increase the strength of wall. (True/False) (C03)
- (v) The trusses provided in workshops by the use of glazing on steeper pitch for lighting purpose are called _____. (C03)
- (vi) The steel scaffolding is generally not preferred as it rusts quickly. (True/False)(C05)
- (vii) The temporary support for forming structural building components is known as _____. (C05)
2. State any three functions of Lintels. (C03)
3. Draw the line diagrams of any two types of staircase. (C04)

4. State any three advantages of steel formwork over timber formwork. (C04)

5. State any three methods of termite proofing. (C05)

PART – B

3 X 8 = 24 Marks

Instructions:

(iv) Answer all questions

(v) Each question carries EIGHT marks.

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

6. (A) Explain the functions of sunshade, canopy and sun breakers. (C03)

OR

(B) Sketch and explain about (i) King and (ii) Queen post trusses. (C04)

7. (A) Describe the construction of Mosaic flooring. (C04)

OR

(B) Explain the seismic method of providing weather proof course on roofs. (C04)

8. (A) Sketch and Explain about the tubular scaffolding. (C05)

OR

(B) Explain the method of white washing and color washing. (C05)

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Model Test Paper

State Board of Technical Education and Training, A.P.

Diploma in Civil Engineering (DCE)

Fourth Semester: C - 403 CONSTRUCTION PRACTICE

Time: 180 Minutes

End Examinations

Maximum Marks: 80

PART – A

3 x 10 = 30 Marks

Instructions:

(i) Answer all questions

(ii) First question carries THREE marks.

(iii) Answer should be brief and straight to the point and shall not exceed five simple sentences.

1. State any three objectives of soil exploration. (C01)

2. State the situations under which under reamed piles are used. (C01)

3. Define the following terms, (i) Header, (ii) Stretcher and (iii) Course. (C02)

4. State any three functions of sun shade. (C03)
5. Draw the line diagram of plan of dog-legged and label the parts. (C04)
6. State any three types of trusses used in pitched roofs. (C04)
7. List any three types of scaffolding. (C05)
8. State any four objectives of plastering. (C05)
9. Define termite proofing. (C05)
10. State any three uses of wall putty. (C05)

PART – B

5 x 10 = 50 Marks

Instructions:

- (vii) Answer any FIVE questions
- (viii) Each question carries TEN marks.
- (ix) Answer should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11. Explain the method of construction of any two spread footings. (C01)
12. Explain any four functions of any two components of a building. (C01)
13. Explain about pre-cast concrete solid block and hollow blocks with neat sketches. (C02)
14. Explain about any two types of fittings and fastenings. (C03)
15. Explain the method of construction of C.C flooring. (C04)
16. Write the principles considered for the location of a staircase. (C04)
17. Explain with the help of neat sketch the arrangement of form work for columns (CO5)
18. Explain about the method of anti-termite treatment for the soil before construction of a building. (C05)

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