Unit 6 - Week 5

Course outline

How does an NPTEL online course work?

Week 1

Week 2

Week 3

Week 4

Week 5

- Lecture 21: Framed Structure
- Lecture 22: Arch Structures
- Lecture 23: Vault Structures
- Lecture 24: Dome Structures
- Lecture 25: Grid Structures
- Quiz : Assignment 5
- Solution : Assignment 5

Week 6

Week 7

Week 8

Download Videos

FEEDBACK

Text Transcripts

Assignment 5

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-03-04, 23:59 IST.

1) Which of the following statements is not true for Framed Structure? *1 point*

- Thickness of wall can be maintained
- Construction of framed structure is speedy
- Utilization of space is flexible
- Prefabrication is not possible

No, the answer is incorrect.
Score: 0
Accepted Answers:
Prefabrication is not possible

2) Which of the following option is an example of grid structure? *1 point*

- Coffer Slab
- Funicular Arch
- Geodesic Dome
- Space Frame

No, the answer is incorrect.
Score: 0
Accepted Answers:
Coffer Slab

3) Which of the following is not an arch type? *1 point*

- Lancet
- Camber
- Ogee
- Focal

No, the answer is incorrect.
Score: 0
Accepted Answers:
Focal

4) Central dome of the Great Mosque of Cordoba is an example of _____. *1 point*

- Ribbed Vault
- Geodesic Dome
- Barrel Vault
- Annular Vault

No, the answer is incorrect.
Score: 0
Accepted Answers:
Ribbed Vault

5) A continuous vault having two abutments located on an inclined plane is _____. *1 point*

- Fan Vault
- Catalan Vault
- Rampant Vault
- Cloister Vault

No, the answer is incorrect.
Score: 0
Accepted Answers:
Rampant Vault

6) Metropol Parasol in Italy is a suitable example of _____. *1 point*

- Membrane Structure
- Load Bearing Structure
- Grid Structure
- Pneumatic Structure

No, the answer is incorrect.
Score: 0
Accepted Answers:
Grid Structure

7) Meridional Stress developed on a Dome is _____ in nature. *1 point*

- Compression
- Tension
- Bending
- Shear

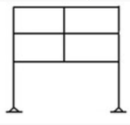
No, the answer is incorrect.
Score: 0
Accepted Answers:
Compression

8) The constructive device which allows the placement of the circular dome over the square room is called _____. *1 point*

- Squinch
- Oculus
- Pendentive
- Tholobate

No, the answer is incorrect.
Score: 0
Accepted Answers:
Pendentive

9) What kind of rigid frame structure is the example shown below? *1 point*



- Fixed Ended
- Pin Ended
- Roller Support
- Braced Support

No, the answer is incorrect.
Score: 0
Accepted Answers:
Pin Ended

10) Which type of Arch is shown below? *1 point*

- Three-centered Arch
- Trefoil Arch
- Segmented Arch
- Horseshoe Arch

No, the answer is incorrect.
Score: 0
Accepted Answers:
Trefoil Arch