

Unit 7 - Week 5

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Assignment 5

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

Due on 2020-10-21, 23:59 IST.

1) AAC Blocks are cured under in an autoclave, under: 1 point

- (A) Heat and cold temperature
 (B) Extreme heat, without pressure
 (C) Heat and pressure
 (D) Pressure

No, the answer is incorrect.
Score: 0

Accepted Answers:
(C) Heat and pressure

2) Sprayed concrete in concrete or mortar conveyed through a hose and pneumatically projected at high velocity onto a surface is called: 1 point

- (A) Ferroconcrete
 (B) Slump
 (C) FRC
 (D) Shotcrete

No, the answer is incorrect.
Score: 0

Accepted Answers:
(D) Shotcrete

3) A general term describing a variety of screws, nails, rivets etc. that are used for mechanically securing various precast components of a building is called: 1 point

- (A) Backer Rod
 (B) Purlins
 (C) Fasteners
 (D) Brackets

No, the answer is incorrect.
Score: 0

Accepted Answers:
(C) Fasteners

4) Hollow Core Slab is represented by: 1 point

- (A) FSG
 (B) FS4
 (C) 4HC6
 (D) 3HC2

No, the answer is incorrect.
Score: 0

Accepted Answers:
(C) 4HC6

5) In a FS4 slab, 4 stands for: 1 point

- (A) Width
 (B) Length
 (C) Thickness
 (D) Breadth

No, the answer is incorrect.
Score: 0

Accepted Answers:
(A) Width

6) Thickness of flange and web depends on the _____ of the floor panel. 1 point

- (A) Span
 (B) Length
 (C) Thickness
 (D) Breadth

No, the answer is incorrect.
Score: 0

Accepted Answers:
(A) Span

7) Ferro cement was developed by Architect. 1 point

- (A) Renzo Piano
 (B) P.L. Nervi
 (C) Shigeru Ban
 (D) Frei Otto

No, the answer is incorrect.
Score: 0

Accepted Answers:
(B) P.L. Nervi

8) Grouting in a column, protects metal components from: 1 point

- (A) Efflorescence
 (B) Fire and corrosion
 (C) Dead load
 (D) Shocks

No, the answer is incorrect.
Score: 0

Accepted Answers:
(B) Fire and corrosion

9) In Ferro cement, water cement ratio should be low and lie between (0.35 and 0.4) because: 1 point

- (A) It improves finish
 (B) It increases workability
 (C) It prevents warping
 (D) It increases strength

No, the answer is incorrect.
Score: 0

Accepted Answers:
(D) It increases strength

10) Which of the following is true for a waffle slab? 1 point

- (A) Longer slabs with no ribs and light weight
 (B) Shorter slabs with no ribs and heavy weight
 (C) Longer slabs with ribs and light weight
 (D) Longer slabs with ribs and heavy weight

No, the answer is incorrect.
Score: 0

Accepted Answers:
(C) Longer slabs with ribs and light weight

11) Match the following items under column 1 with items in column 2. 2 points

Joining methods	Place of application
(P) Backer rod and sealant	(i) Connector fixing successive panels
(Q) Brazing	(ii) Fixing of Concrete Masonry Unit
(R) Dowel	(iii) Precast columns
(S) Bearing pads	(iv) Joining of metals
	(v) Welding plates

- (A) P-ii, Q-iv, R-i, S-iii
 (B) P-v, Q-iv, R-iii, S-ii
 (C) P-v, Q-iii, R-i, S-iv
 (D) P-i, Q-ii, R-iv, S-iii

No, the answer is incorrect.
Score: 0

Accepted Answers:
(A) P-ii, Q-iv, R-i, S-iii

12) Which of the following are advantages of a Ferro cement? 2 points

- (P) It is economical and light in weight.
(Q) It can be made to any shape and size.
(R) It Requires minimum skill.
(S) It cracks because of the chicken wire mesh.

- (A) P,Q,R
 (B) Q,R,S
 (C) P,Q,S
 (D) P,R,S

No, the answer is incorrect.
Score: 0

Accepted Answers:
(A) P,Q,R

13) Which of the following are challenges to be overcome in modular construction? 2 points

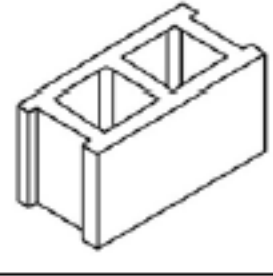


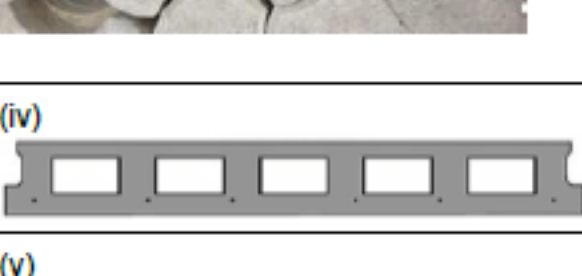

- (P) Joints and connections
(Q) Outlook and finish
(R) Fixing of plumbing & electric services
(S) Thermal and acoustic behavior

- (A) P,Q,R
 (B) Q,R,S
 (C) S,Q,P
 (D) P,R,S

No, the answer is incorrect.
Score: 0

Accepted Answers:
(D) P,R,S

14) Choose the correct match among the following Precast Concrete Units with their images : 2 points

Name of unit	Images
(P) Precast floor slab	(i) 
(Q) Paver blocks	(ii) 
(R) Hollow block masonry	(iii) 
(S) Cleat	(iv) 
	(v) 

- (A) P-iv, Q-iii, R-i, S-v
 (B) P-i, Q-ii, R-iv, S-iii
 (C) P-ii, Q-iv, R-v, S-i
 (D) P-v, Q-i, R-iii, S-ii

No, the answer is incorrect.
Score: 0

Accepted Answers:
(A) P-iv, Q-iii, R-i, S-v

15) Which of the following are advantages of a precast unit? 0 points

- (P) Easy to install.
(Q) Easy to transport.
(R) Fire retardant and Self extinguishing.
(S) Light weight, compact & construction friendly.

- (A) P,Q,R
 (B) Q,R,S
 (C) R,S,P
 (D) S,Q,P

No, the answer is incorrect.
Score: 0

Accepted Answers:
(C) R,S,P