

ABC 5 [Sem V] Exam Oct 2021 [Part I]

University of Mumbai
Architecture, Navi Mumbai

Mahatma Education Society's Pillai College of
Bachelor of Architecture Examinations

~~2021~~

Subject: Architectural Building Construction 5

Subject Code: BARC 503

Semester V

Maximum Marks: 20

Minimum Passing

Marks: 20 [Combined]

Date: 08/03/2022

Time: 10.00 a.m.

Duration: half hour [30 Minutes]

Note : All questions are compulsory.

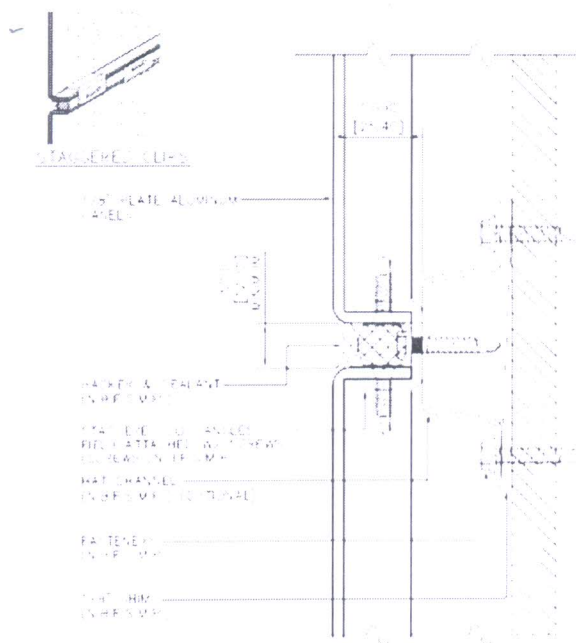
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* Required

Q 5. Identify the joint details given in the figure below,



- ☐ Joint bet. two Panels.
- ☐ Out side corner.
- ☐ Soffit of a projected portion of a bldg. or window.
- ☐ Non of the above.

Q 7. What may change or differ according to the type of Foundation,

- ☐ Thickness or Depth of the Foundation.
- ☐ Area required for the Foundation.
- ☐ Non of the above.

Q 9. Buoyancy Blocks used in Buoyant Foundation House are made from,

- ☐ Expanded Aluminium.
- ☐ Expanded Polystyrene.
- ☐ Both of the above.

PL WRITE YOUR NAME & SEAT NO. BELOW

Your answer

Q 6. Functions of a Canopy is,

- ☐ to protect from weather conditions.
- ☐ identify an entrance to a building.
- ☐ both of the above.

Q 4. Metal Cladding Panel are fixed by,

- ☐ Modular Click Rail System.
- ☐ Mono-click Bracket System.
- ☐ Both of the above.

Q 10. Trapezoidal Footing is used where,

- ☐ One of the column is carries heavier loads.
- ☐ Length of Foundation is restricted.
- ☐ Non of the above.

Q 8. By use of Beams in Raft Foundation, Thickness of Raft Slab can be,

- ☐ Reduced.
- ☐ Increased
- ☐ Non of the above.

Q 1. External cladding are made from,, *

- ☐ Bricks, Blocks or Stones.
- ☐ Earth or Concrete.
- ☐ Light-weight Sheets or Framed Panels.
- ☐ Non of the above.

Q 3. Requirements of an Infill Panel are,

- ☐ Light weight.
- ☐ Rigid, impermeable & durable.
- ☐ Resistance to Fire & Weather.
- ☐ All of the above.

Q 2. Curtain Wall System is,

- ☐ External Finishing like Facings.
- ☐ Cladding with Glass & Infill Panels.
- ☐ Non of the above.

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ABC 5 [Sem V] Exam Mar 2022 [Part II]

University of Mumbai
Architecture, Navi Mumbai
2022

Mahatma Education Society's Pillai College of
Bachelor of Architecture Examinations Mar

Subject: Architectural Building Construction 5 [Part II]

Subject Code: BARC 503

Semester V

Maximum Marks: 30

Minimum Passing

Marks: 20 [Combined]

Date:

08/03/2022 TIME: 10.45 A.M.

Duration: 1

hour [60 Minutes]

Important Notes:

1. Attempt All 6 [Six] Questions.
2. All Questions carry 5 [five] marks each.
3. Draw free-hand sketches to explain all the questions & upload in "SKETCHES" assignment created on

G Class Room - "ATKT EXAM ABC 5 SEM V MAR 22".

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PL WRITE YOUR NAME & SEAT NO. BELOW.

Your answer

Q. 1 Describe in detail Curtain Wall System & its components in Plan and Section.

Your answer



Q. 2 What are the functional requirements of an Infill Panel used in Curtain Wall System?

Your answer

Q. 3 What is a Canopy? Describe its Components including its Structural system.

Your answer

Q. 4 Explain the different types of Shallow Foundations in Sections & its uses..

Your answer

Q. 5 Describe Raft Foundation, its types & also explain how it differs in transferring load..

Your answer

Q. 6 Explain Combined Footings & Describe its reinforcements in Plan and Section.

Your answer

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