

ATKT. SEM4-(PART-1) Architectural Building Construction. 11 OCTOBER 2021

BARC203

Instructions

1- Solve all Questions.

2- Submit in time.

3- Read question carefully before answering

* Required

1. STUDENT NAME *

2. STUDENT SEAT NUMBER *

3. STUDENT MES EMAIL ID *

4. STUDENT CONTACT NUMBER *

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5. Steel Section use in Steel Construction are made of which type of steel *

Mark only one oval.

- ☐ Mild Steel
☐ Stainless Steel

6. Which steel joinery is stronger *

Mark only one oval.

- ☐ Bolting
☐ Welding

7. Steel trusses are use in shorter span than timber trusses. *

Mark only one oval.

- ☐ True
☐ False

8. Wall plate rest on what building component *

Mark only one oval.

- ☐ Load bearing Wall
☐ Ridge
☐ Gutter
☐ Valley rafter

9. King post can span longer than Queen post *

Mark only one oval.

- ☐ True
☐ False

10. Steel Decking is used in making Steel columns *

Mark only one oval.

- ☐ True
☐ False

11. Riser should be ideally smaller than tread *

Mark only one oval.

- ☐ True
☐ false

12. Stringer beam supports *

Mark only one oval.

- ☐ Tread and Riser
☐ Rafter
☐ Ridge piece
☐ Window Sill

13. External Wall plaster is Thin than Internal wall plaster

Mark only one oval.

☐ True

☐ False

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ATKT. SEM4-(PART-2) Architectural Building Construction. 11 OCTOBER 2021

BARC203

Instructions

- 1- Use A4 size paper for each question (Please write your full name in INK)
 - 2- Solve one question on each side of A4. Do not solve two question on one side of A4
- Paper
- 3- Please draw neat sketches
 - 4- label and dimension all sketch
 - 5- Once you have done with sketch , click photo and upload against same question. Please take care that you do not upload answer sketch(image) against other question. Such answer will be consider wrong.
 - 6- File to be uploaded Should not be more than 10 MB. (Please adjust your camera settings)
 - 7-Please click a clear photo of your sketch(Answer).
 - 8- Each paper will have students Name written In Ink.

* Required

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5. Write a Short note on Grillage Foundation

6. Name any 5 types of staircase.

7. Sketch and Label Junction of Steel column and beam (Upload the sketch)

Files submitted:

8. Sketch and label typical steel decking section, between two floor steel beams (Upload the sketch)

Files submitted:

9. Write 2 advantages and 2 disadvantages of Steel structure construction

10. Mention Any 3 type of ready made Steel sections available in market

11. Explain difference between riveting and bolting

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