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End Semester Examination, December 2024

B.Arch. – 5th Semester

ARCHITECTURAL DESIGN–IV (APAR325A)

Time: 5 hrs.

Max Marks: 20

Instructions: *Marks are indicated against each question.*

All Questions are compulsory.

Section-A (Compulsory)

Q1 a) Describe the key considerations when designing a museum space. Discuss factors such as lighting, security, visitor flow, and environmental control, explaining why each is important for preserving artifacts and enhancing the visitor experience. [CO-1] [L-2] **5**

Q1 b) Design a square showcase area of sides 1 m and height of 2 m. It should be open from all sides, i.e. glass case. It should be intended to display a single artifact or a small collection. Draw sketches, axonometric views of the showcase area, showing dimensions, display cases, lighting arrangements, and visitor access, if any. [CO-2] [L-6] **5**

Section-B (Compulsory)

Q.2 Create a layout for a 10 x 10-meter room within a museum dedicated to displaying single theme artifacts. Your design should include:

1. Circulation paths for visitors,
2. Placement of artifacts for optimal visibility and accessibility,
3. Indication of entry and exit points,
4. Consideration of lighting for both functionality and ambiance.

Provide sketches of the scaled layouts with annotations on your design choices.

[CO-5] [L-6] **10**