



DAP-161001010602

Seat No. _____

B. Architecture (Sem. VI) Examination

May - 2022

Building Material and Construction- VI

Time : 2 Hours]

[Total Marks : 50

- 1 Write notes and draw proportionate sketch for following **20**
construction details : (Any **Four**)
 - (1) Light weight masonry - Rat trap bond detail
 - (2) Corrugated sheet and purlin connection detail
 - (3) Window detail in wooden paneling wall
 - (4) Reinforced hollow blocksmasonry
 - (5) Pre-cast beam-column corner junction detail
- 2 Write notes with supporting sketches of the following : **10**
(Any **One**)
 - (1) Shallow foundation type and its application
 - (2) Load bearing-Stone Masonry's earthquake resistant details
- 3 Draw twowall sections and part elevation a) South wall **20**
and b) West wall for educational building in Rajkot region
with considering following Criteria with all specification and
dimensions.
(A) Low cost effective (B) Climatic consideration
In addition write down wall section design strategy for low
cost and climatic condition in bulleted point. Wall section
needs to be draw in proportionate scale.