



Seat No. _____

HAG-161001010202

B. Architecture (Sem. II) Examination
May - 2023

Building Material & Construction - II

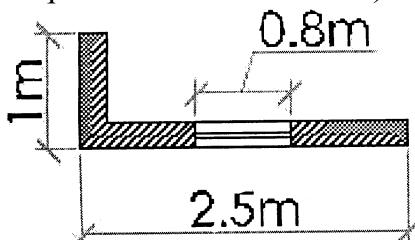
Time : 2 Hours / Total Marks : 50

Instruction : Answer the questions according to marks and draw neat sketches with bullet-ed points.

1 Draw any ten types of bricks with its proportion. 10

OR

1 Draw plan of odd and even course through opening for one brick thick English bond for the bellow diagram (consider given dimensions for reference only and assume remaining dimensions as per standard brick size).



2 Draw a typical section of exposed masonry wall - draw three variations of the following : (any **one**) 10
(a) Window Lintel
(b) Window Sill

3 Illustrate the Rammed earth construction technique and lintel in it. (Minimum five neat sketches required) 10

4 Write principles of good stone masonry with required sketches. 10

OR

4 Explain how space condition differs in Dome with Pendentive and Squinch. 10

5 Differentiate the segmental arch vs corbel arch. 10

OR

5 Explain form-work of semi-circular arch with required neat sketches. 10