



# St. Michael Polytechnic College



St. Santhiyagappar Nagar  
Kalayarkoil-630 551.

DEPT: CIVIL ENGG

YEAR/SEMESTER: II / III

SUB.NAME: CIVIL ENGINEERING DRAWING - I

## UNIT-1

### PART-A[ 3 marks]

1. Define floor space index?.
2. Write the types of lines.
3. Write the procedure for lettering.
4. State the types of scale.
5. What is the objective of bye-laws?

### PART-B [9 marks]

1. Draw the cross-sectional view of a lean to roof with the help of the following details:

Clear span between the wall and post	- 2500mm
Wall thickness	- 230mm
Wooden post	- 100 x 100mm
Cartel stone	-150 x 350 x 250mm
Bressumer	-100 x 150mm
Wall purlin	-75 x 100mm
Common rafters	-50 x 100@800c/c mm
Reepers	- 50 x 12.5@300c/c mm
Roof with flat tiles	-50mm
Eaves board	-25 x 200mm

G.I cotters and mortar coping are provided in this roof.