

**DRAUGHTSMAN CIVIL
(PRACTICAL)
SEMESTER-III**

TIME : 8 Hrs.**MARKS: 270****Note:- Attempt all questions. All questions carry equal marks.**

1. (a) **Write the following:** (25)
"DRAUGHTSMAN CIVIL"
Letter height 2 cm Double stroke vertical.
(b) Construct a diagonal scale to read metre and centimeter, representative fraction 1:50 and marks 4 metre and 65 cm on your scale. (25)
2. (a) Draw detail drawing for a steel Grillage foundation for a base 3.5 metre x 3.5 Metre. Assume all other dimensions as per 'I' section available. (30)
(b) Draw detail drawing of a spread footing foundation for 40 cm wall. Assume all the other dimension. (30)
3. **Draw the following bond –** (50)
(a) English bond
(b) Flemish bond
(c) Herring bone bond
(d) Diagonal bond
(e) Zig-Zag bond
4. **Draw the following conventional signs –** (50)
(a) Stone
(b) Glass
(c) Marble
(d) Cement Screed
(e) Fibre-board
(f) Re-constructed Stone
(g) Reinforced Concrete
(h) Foot Path
(i) Gate
(j) Bar Wire Fence
5. **Draw the following bricks –** (30)
(a) Standard Brick
(b) Bat
(c) King closer
(d) Well Header
(e) 3/4 Bat
(f) Single Bull Nose
6. Draw brick pillar masonry in English Bond and Flemish Bond 1 ½ brick thick. (30)
