

**DRAUGHTSMAN (CIVIL)
(PRACTICAL)
SEMESTER II**

Time: 8 hrs.

Marks: 270

Note: Attempt both questions.

1. Draw plan and section of Dog- Legged stair case of plane size 2.7mx4.9m(outer dimension) floor height is 3.2m assume suitable nos. of rise and tread. **(140)**
2. Draw to a suitable scale showing front elevation and joint details (at least two) of a king truss with following details. **(130)**
 - a) Span of truss = 11.0m
 - b) Angle of truss = 30°
 - c) Principal rafter = 100mm x 140mm
 - d) Common rafter = 50mm x 100mm
 - e) King post = 100mm x 100mm
 - f) Tie Beam = 80mm x 100mm
 - g) Struts = 80mm x 80mm
