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

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