

COLLEGE OF ENGINEERING, PUNE
S.Y.B.Tech (Civil)
End semester Examination 3 Dec 2012
(CE 213) BUILDING CONSTRUCTION AND MATERIALS

civil

[Time: 3 Hrs]

[Max. Marks: 50]

Instructions to Candidates:

1. Answer **all** questions
2. Neat diagrams must be drawn wherever necessary
3. Assume suitable data if necessary
4. Figures to the right indicate full marks

- Q 1. a) Draw the isometric view showing basic slopping roofs and explain different elements of pitched roof. (6)
- b) Explain in brief Jodhpur type lime terracing. (4)
- Q 2. a) What is underpinning? Draw figure and explain pit method of underpinning. (6)
- b) Draw figure of Brick layer's scaffolding (4)
- Q. 3 a) Explain (in one to three lines) following terms (5)
- a) Mullion b) Jamb c) Rebate d) Laths e) Horn
f) Newel post g) Head room h) Soffit i) Baluster j) Verge
- b) Draw the figure showing form work for square and round column and explain. (5)
- Q.4 a) Draw two figures (plan, elevation and section) of geometrical quarter turn stairs (6)
- b) What points to be kept in view while locating doors? (4)
- Q.4 **OR**
Explain nine defects in painting (10)
- Q. 5 You have been asked to suggest three types of doors in two bedroom apartment in five story building by client. What three types of doors for different rooms you will suggest with dimensions? Draw figures (Elevation and sectional plan) three types you suggest. (10)
- OR**
Explain with figure eight methods of pointing.