

Civil

COLLEGE OF ENGINEERING, PUNE
S.Y. B Tech (CIVIL)
End semester Examination April 2013

Building Design & Drawing (CE208)

[Time: 3 Hrs]

[Max. Marks: 50]

Instructions to Candidates:

1. Complete and neat Figures will carry full marks for the questions.
 2. Assume suitable data wherever required and state it clearly.
 3. Use of non programmable calculator is allowed
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- 1) **Attempt any Five questions out of the following.** **Marks – 25**
1. Explain the possible acoustical defects for an auditorium and suggest suitable remedies? (5)
 2. What arrangement is made in multi-Storeyed building to remove solid waste? (5)
 3. Explain with a neat diagram summer air conditioning. (5)
 4. Enumerate the various services installed in buildings. Explain any one in brief (5)
 5. Write short note no: Functional classification of buildings. (5)
 6. Compare casing coping system and concealed system of wiring. (5)
 7. Discuss important considerations in fire protection. (5)

- 2) **Attempt All questions out of the following.** **Marks – 25**
1. Fig 1 shows a line plan for a residential building
- a) The building is a RCC framed structure
 - b) All external walls and those marked X are 230mm thick and other internal wall are 115m thick
 - c) Floor to floor height is 3150 mm
 - d) Plinth height is 450mm
 - e) Assume any additional data as required as per regulations

Draw to a scale of 1:50 or suitable

- a) Detailed sectional plan (10)
- b) Calculate dimensions x and y (02)
- c) Schedule of door opening (05)

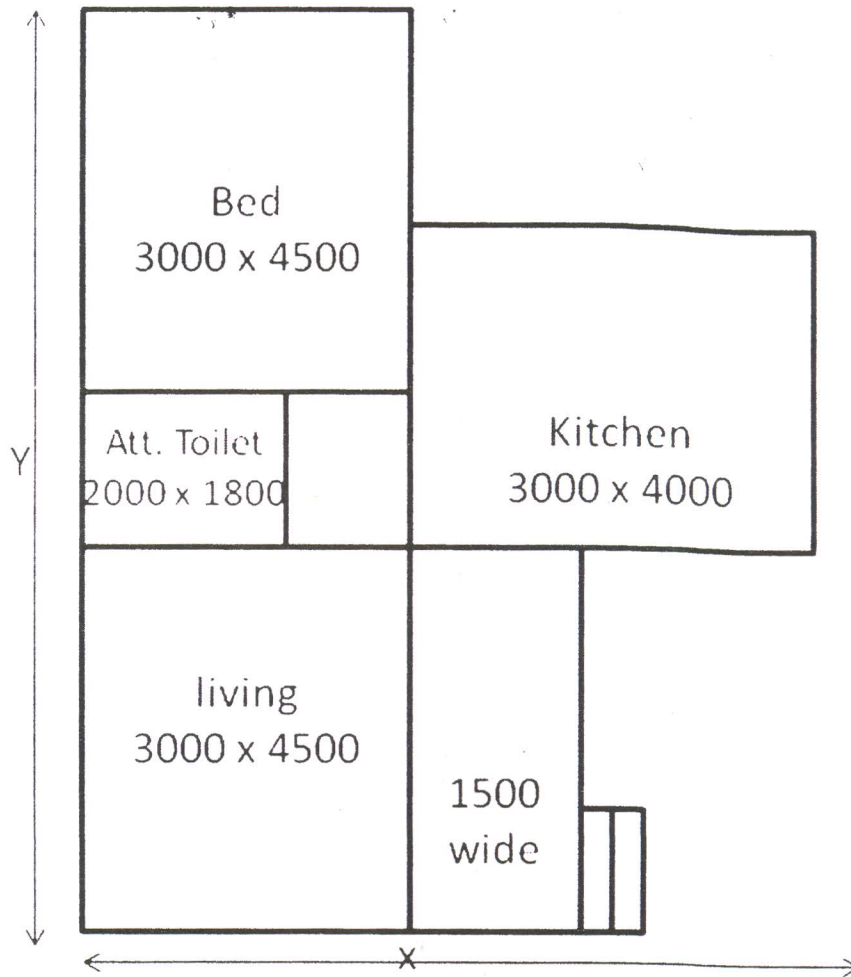


Fig no-1 A line plan

All dimension in mm

2. Draw two point perspective view of the model shown in fig- 2. Assuming eye level at 1.5m above GL. (08)

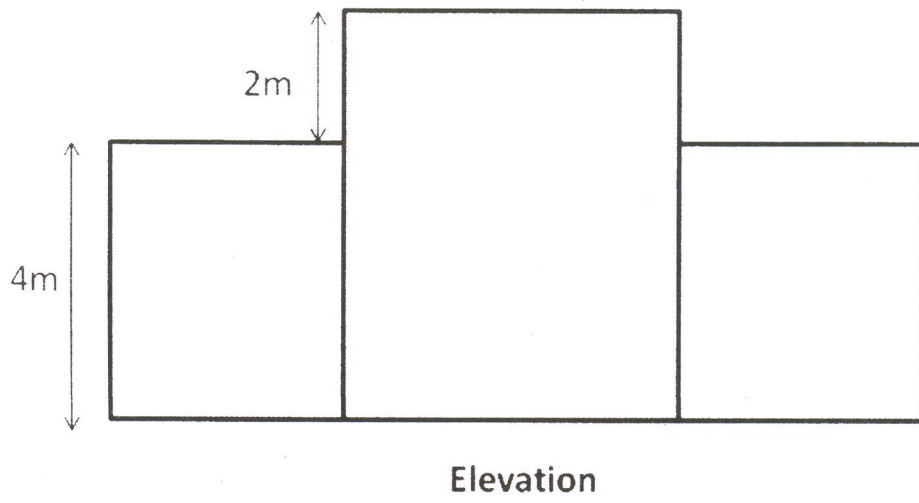
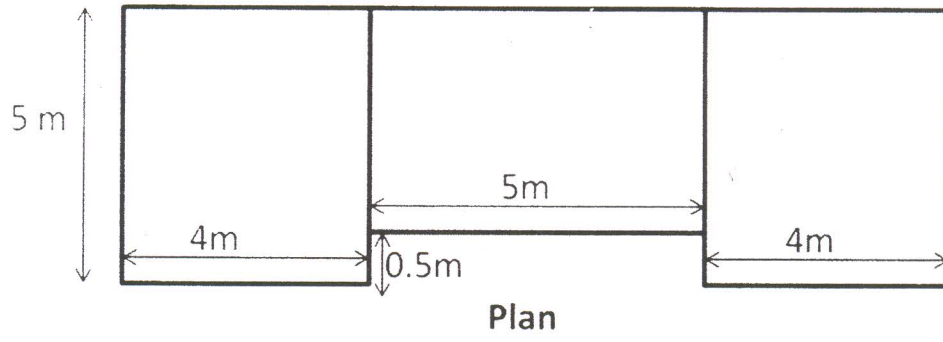


Fig No - 2