

IQRA NATIONAL UNIVERSITY
PESHAWAR

B.Tech → CIVIL

BATCH → 2015

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PAPER → ARCHITECTURE AND
TOWN PLANNING

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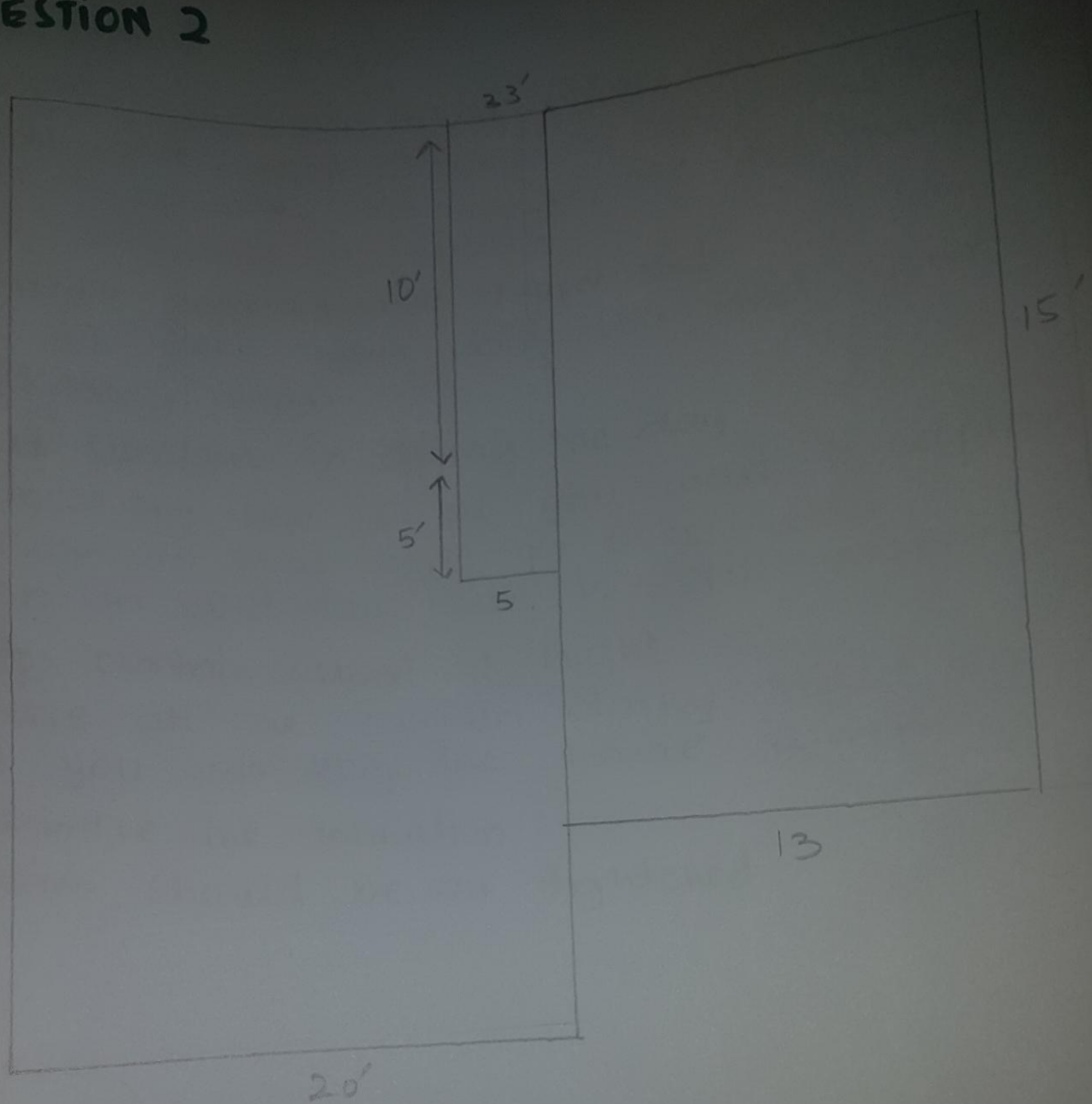
MID TERM EXAM

QUESTION 1

$$\begin{aligned} \text{FAR} &= \text{Floor area ratio} \\ &= \frac{\text{Total area}}{\text{built area}} \\ &= \frac{35 \times 20}{20 \times 15} \\ &= 1.5 \end{aligned}$$

Foot print area is 20×15

QUESTION 2



- Sun path is along kitchen
- wind direction along air spaces

Suggestion:-

- By making proper design
- By making cross ventilation
- sun light reached everywhere in house

QUESTION 3

WAYS TO KEEP HOUSE WARM

These are different ways to keep the house warm naturally. In winter if the house is located in swat-

1. Install programmable thermostat
• This will keep your bill low and your efficiency high.
2. Let sunlight in during the day
• Once the sun is up, you want to capture as much of that heat as possible.
• Even in cold days sun is still warm.
3. Keep curtain closed at night
Close all the curtain during night so that you can keep the house warm.
4. Maximise the insulation
5. Homes should be air tightened