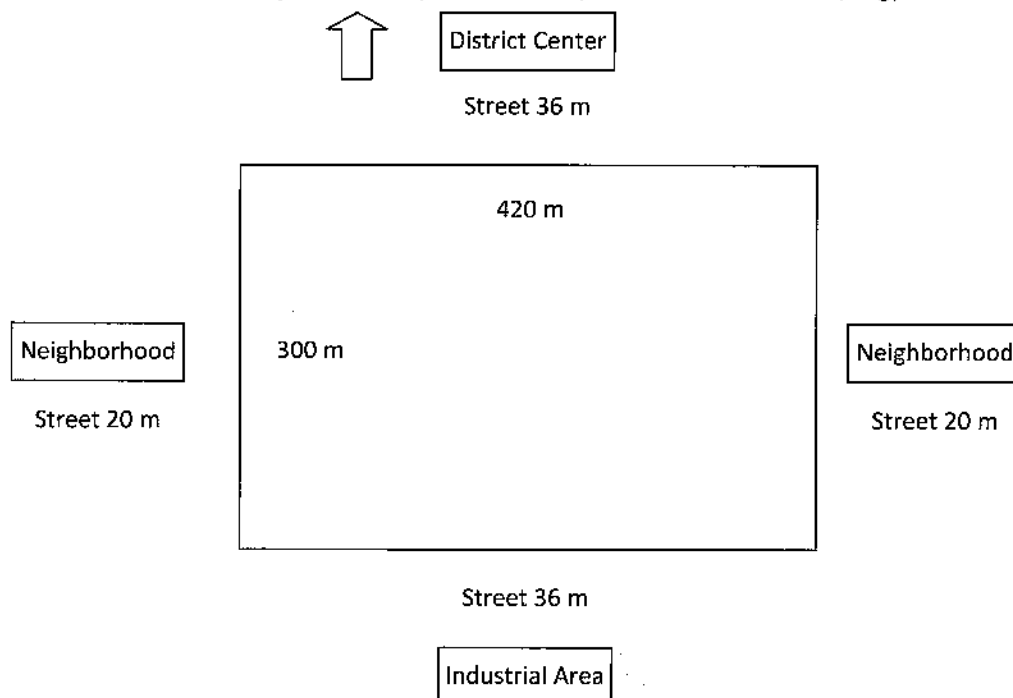




**Urban Planning and Housing
Level (3) - (ARC3222)
Final Exam - Second Term**

For achieving **social equity** as a main objective in **national urban development scheme**, the city council of one of new industrial cities on Egypt will provide a special location for **low housing building** specialized for **labor families** who working in city factors, in almost area of **30 faddan**, suggest a design for the housing project that can achieve all of these requirements: (Note: You must write **the dimensions**) **(b14, c17)**

- 1- Put the design of **the suggesting housing model** which suitable for **labor families** with average of **5 person/family**, and containing (2 housing units in every floor, 3 bedrooms in every unit), the housing building (**ground** and 4 floors, the **ground** floor having small units for commercial and craft only). scale **1:100** (15g)
- 2- Calculate the main components of the **services center**, in case of the number of the neighborhood inhabitants was approximately **3000** person. (15g)
- 3- Put the hole design of **housing compound**, and determine two main entrance for the neighborhood location. Then Suggest one of the **housing clusters** on the whole neighborhood design, to show the type of housing building organization, the open green areas, the parking area, the pedestrians paths. scale **1:1000** (15g)



4- Then answer the following: (25g) (a16, a22, a23, b20)

- 4-1 How can achieve the **sustainability** in the whole **Neighborhood Design**?
- 4-2 What are the main applications on designing **housing building** to be more **greener**?
- 4-3 Draw a detail section on **local street**, and explain the main principles of designing?

**Thank you, and Good Luck
Dr. Heba Soliman**