**Architectural Drafting Written Assignment**

**House Types**
Reference: Design for Residential Construction, p. 183-185

1. Explain 2 safety advantages of a single level home /2
2. Explain the function of a roof dormer on a 1½ storey home /1
3. Explain why 1½ and 2 storey homes are well suited to narrow lots /1
4. Explain whether a one storey or two storey home (of equal floor area) is easier to heat, and why /2
5. Explain why split-level homes are so well suited to contoured lots /1

  **/7**

**General Design Considerations**
Reference: Design for Residential Construction, p. 186-190

1. Explain why long hallways are undesirable in a home /1
2. List and explain 2 areas of the home that should be located side by side /2
3. List and explain the one room that should be central to all other rooms in the house /2
4. Give an advantage of a main floor laundry room, and an advantage of a basement laundry area /2
5. List and explain 2 areas of the home that should not be located side by side /2
6. Explain a benefit of locating closets between rooms /1
7. Describe the considerations involved when choosing door swing direction /2
8. Explain the effect furniture placement can have on traffic patterns /1
9. Livingrooms are often the largest single areas in a home. Explain 2 reasons why this is the case. /2
 **/15**
**Kitchens**
Reference: Design for Residential Construction, p. 192-196

1. Explain the theory of the kitchen “work triangle”, and what factors should influence the design
 of a good work triangle /3
2. List the recommended maximum and minimum perimeters of the work triangle /2
3. List the appliances and fixtures used to create a dual work triangle /1
4. Name and describe each of the five styles of kitchen layouts, highlight at least one advantage.
 Illustrate each with an orderly diagram /20
5. Explain 2 considerations which must influence the design of the kitchen to achieve a safe floor plan /2

 **/28**

**Bathrooms**
Reference: Design for Residential Construction, p. 196-199

1. Explain the difference between a bathroom and a washroom /1
2. List the features required to make it a: 2 piece, 3 piece and 4 piece /3
3. Explain the recommended location in the house for the main bathroom /1
4. Explain two reason why it is necessary to have sufficient space between the fixtures of a bathroom /2

 **/7**

**Bedrooms**
Reference: Design for Residential Construction, p. 211-215

1. Explain why a 3 bedroom home is the most common type of design /1
2. List 2 alternate uses for a spare bedroom /2
3. List and explain 2 factors which should influence the size of a bedroom /2
4. Explain 2 characteristics which could distinguish the master bedroom from common bedrooms /2
5. Explain 2 reasons why bedroom windows should not be placed too close to the floor /2

  **/9**

**Dining Areas**
Reference: Design for Residential Construction, p. 216-218

1. Describe the two main styles of eating areas and an advantage of each /4
2. State the minimum amount of clearance that should be allowed around a dining table and 2 reason
 for this allowance /3
3. List an advantage and disadvantage of having a connected living/dining room area /2

 **/9**

**TOTAL / 75**