**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**