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FACULTY OF SOCIAL SCIENCES  
DEPARTMENT OF GEOGRAPHY  
2017/2018 HARMATTAN SEMESTER EXAMINATION

**COURSE CODE: GRP 333**

**COURSE TITLE: ELEMENTS OF PLANNING DESIGN**

**INSTRUCTION: ANSWER ANY THREE QUESTIONS**

**TIME ALLOWED: TWO HOURS**

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1. (a) With the aid of relevant sketches, discuss the characteristics and relationship between the city, neighbourhood-units, blocks and site plans in designing a city.  
  
(b) Outline and discuss the layout of a proposed 'off-street car parking facility' as part a central city transport design (support your discussion with sketches).
2. Discuss the characteristics of the following 'neighbourhood design concepts' as applicable in the design of a residential area of a city (support your discussion with sketches).  
  
(a) Neighbourhood concept  
(b) Radburn concept  
(c) Superblock concept
3. (a) Discuss the advantages of using a three dimensional model in the presentation of a proposal for a city centre.  
  
(b) What are the advantages of using GIS in urban and regional planning?
4. With the aid of sketches, write notes on the following transport network components:  
(a) Cul-de-sac  
(b) Road junction and Intersections  
(c) An access road  
(d) A distributor road  
(e ) An arterial road
5. Discuss the potential benefits to an urban and regional planning consulting firm of using the *AutoCAD* (an electronic drafting software) over the traditional drawing-board approach. Support your discussion with relevant examples.