



PROGRAM : BACHELOR OF URBAN AND REGIONAL
PLANNING
*DEPARTMENT OF TOWN AND REGIONAL
PLANNING*

SUBJECT : **PLANNING DESIGN: INTRODUCTION
TO PLANNING SURVEY 1B**

CODE : **PLSTRB1**

DATE : SSA EXAMINATION
XX DECEMBER 2019/ JANUARY 2020

DURATION : 08:30 - 11:30 HRS | SESSION-1

WEIGHT : 50 : 50

TOTAL MARKS : 100

ASSESSOR : MR. AUROBINDO OGRA
UNIVERSITY OF JOHANNESBURG

MODERATOR : MR. ERIC NYEMBEZI MAKONI
UNIVERSITY OF JOHANNESBURG

NUMBER OF PAGES : 3 PAGES

INSTRUCTIONS:

1. The paper consists of four parts: Objective Questions, Short Questions, Long Questions, and Data Analysis & Interpretation. All questions are compulsory.
2. Read the questions carefully and answer all questions.
3. Clearly and correctly number all questions.
4. Write neatly and legibly.
5. The use of calculator is permissible.

PART-1 : OBJECTIVE TYPE QUESTIONS

- 1.1 Aerial photographs are images taken from special cameras mounted on satellites (True / False) (1)
- 1.2 The high resolution images are used for various planning applications like land use planning, property management, utility management etc. (True/ False) (1)
- 1.3 The principal concept of land classification is to separate human activities of different intensity levels (True / False) (1)
- 1.4 Origin and destination survey is a type of traffic and transportation survey (True/ False) (1)
- 1.5 Valid and verifiable characteristic of research means that any conclusion drawn are based upon hard evidence gathered from information collected from real life experiences and observations (True/ False) (1)

[5]

PART- 2 : SHORT QUESTIONS

- 2.1 List five roles of *Survey and Analysis* in Urban and Regional Planning profession. (5)
- 2.2 What do you understand by *Research* ? (5)
- 2.3 Describe the advantages of *Group Research*. (5)
- 2.4 Differentiate between *Survey* and *Surveying*. (5)
- 2.5 Write a short note on use of GIS in survey and analysis. (5)

[25]

PART -3 : LONG QUESTIONS

- 3.1 List various categories of planning surveys and explain in detail various components of regional surveys. (10)
- 3.2 Describe various characteristics of research. (10)
- 3.3 Describe various advanced techniques in urban and regional planning surveys used for planning, development and management of cities. (10)
- 3.4 Describe data analysis and various reporting formats. (10)
- 3.5 Write a short note on *questionnaires* and list various types of questionnaires with suitable examples. (10)

[50]

PART-4 : DATA ANALYSIS AND INTERPRETATION

- 4.1 Analyse the details provided in the data table for mode of transport used by commuters by settlement type and provide a graphical interpretation. (10)

Mode of transport used by commuters	Settlement type		
	Metropolitan (%)	Urban (%)	Rural (%)
Car	46.0	40.5	18.8
Minibus taxi	23.4	22.0	12.1
Bus	8.1	6.2	11.6
Train	11.2	1.7	0.5
Walk / Cycle	7.1	25.6	52.6
Other	4.2	4.1	4.4

- 4.2 Enumerate the number of dwellings from the satellite image provided below. Calculate the density of dwellings if the total area is 5 km sq. (10)



[20]

TOTAL = 100