PROGRAM	:	BACHELOR OF URBAN AND REGIONAL PLANNING *DEPARTMENT OF TOWN AND REGIONAL PLANNING*
SUBJECT	:	**PLANNING DESIGN: INTRODUCTION TO PLANNING SURVEY 1B**
CODE	:	**PLSTRB1**
DATE	:	NOVEMBER / SUMMER EXAMINATION 23 NOVEMBER 2019
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. This paper consists of four parts: Objective Questions, Short Questions, Long Questions and Data Analysis & Interpretation. All questions are compulsory.
2. Read the questions carefully; answer all questions.
3. Number all questions clearly, write neatly and legibly.
4. Use of calculator is permissible.

PART-1: OBJECTIVE TYPE QUESTIONS

1.1   Data collected / retrieved from internet is primary data collection (True/ False) (1)

1.2   Origin and destination survey is a type of traffic and transportation survey (True/ False) (1)

1.3   In most research studies, one requires to use only qualitative skills (True / False) (1)

1.4   Action research is an applied research in which the primary goal is to facilitate social change or bring about a value – oriented political – social goal (True / False) (1)

1.5   Methodology can be understood to relate principally to the tools of data collection techniques: such as questionnaires and interviews (True / False) (1)

1.6   The structured observation involves five stages of the data collection techniques (True/ False) (1)

1.7   Aerial photographs are images taken from special cameras mounted on satellites (True / False) (1)

1.8   Observation forms, interview schedules, questionnaires and interview guides are all classified as 'research instruments' (True/ False) (1)

1.9   Explanatory research is a type of Application type of research (True/ False) (1)

1.10   The high resolution images are used for various planning applications like land use planning, property management, utility management etc. (True/ False) (1)

[10]

PART- 2: SHORT QUESTIONS

2.1   What is the purpose of *Survey and Analysis in Urban & Regional Planning* ? (5)

2.2   Discuss the importance of land use survey and analysis. (5)

2.3   List various techniques of data collection. Explain one of the techniques in detail. (5)

2.4   Describe data analysis and various reporting formats. (5)

2.5   List various characteristics of research. Explain any three characteristics of research. (5)

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PART-3: LONG QUESTIONS

3.1   Describe in detail four categories of surveys conducted in planning schemes.   (10)

3.2   List eight stages of research process and explain in detail the stages of : Data Collection, Data Processing, and Research Report Writing.   (10)

3.3   Design a questionnaire for documenting Solid Waste Management (SWM) service levels and citizens perception about waste management service delivery. Take an example of Pikitup waste management service in Johannesburg. Provide atleast ten different type of questions as examples.   (10)

3.4   Describe various advanced techniques used by planners in urban and regional planning surveys for planning, development and management of cities.   (10)

3.5   Describe the concepts of SWOT and PESTEL analysis and how is it useful for planners in various survey and analysis projects ?   (10)

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PART-4 : DATA ANALYSIS AND INTERPRETATION

4.1   Provide a suitable graphical representation of the following tabular data using one chart for the ward level details for buildings, parks and street light coverage and interpret the data and write your analysis.

(05)

Ward	Ward Population	Total Buildings	Total Parks	Street Light Coverage
21	9934	1393	9	73%
22	37430	5500	27	81%
23	23596	4555	13	35%
24	29028	6677	19	48%

4.2   The following image shows one of the settlements adjoining an industrial area from City of Johannesburg. Enumerate the number of dwellings from the satellite image. Calculate the density of settlement cluster, if the total area within the satellite image is 3 km^2.   (10)

TOTAL = 100