



**CHRISTIAN SERVICE UNIVERSITY COLLEGE**  
**KUMASI, GHANA**  
**FACULTY OF HUMANITIES**  
**DEPARTMENT OF PLANNING AND DEVELOPMENT**  
**BACHELOR OF ARTS IN PLANNING AND SOCIAL DEVELOPMENT**  
**END OF SECOND SEMESTER EXAMINATIONS – 2021/22 ACADEMIC YEAR**  
**LEVEL 300**

**DPSD 312: POPULATION ANALYSIS**

**June, 2022**

**[60 Marks]**

**Time Allowed: 2 Hours, 15 minutes**

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**GENERAL INSTRUCTION TO CANDIDATES:**

- The paper is in two sections; Sections A and B.
- Candidates are required to answer **ALL** questions from **SECTION A** by filling in the blank spaces with the most appropriate answer(s). Candidates are to answer question (4) in the answer booklet provided.
- Candidates are to answer **any Two (2)** questions in **SECTION B**.
- Write your index number on top of the question paper and every page of the answer booklet used.

**SECTION A: ANSWER ALL QUESTIONS IN THIS SECTION (30 MARKS)**

1. What is demography? (2 marks)

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2. Briefly explain what is population (2 marks)

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3. What are the differences between the following?

i). Immigration and Emigration (6 marks)

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ii). Morbidity and Mortality rate (5 marks)

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iii) Population density and population distribution (5 marks)

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4. The population of Kofikrom in the year 2010 was 700.

- a. Estimate the current population of the community (year 2022) with a growth rate of 2% using the three mathematical projection methods. (9 marks)
- b. Explain the reason for any differences in the projected populations (1mark).

These may be helpful:

$$(P_t = P_0 e^{rt} \text{ where } e = 2.71, P_t = P_0(1+rt), P_t = P_0(1+r)^t)$$

**SECTION B: ANSWER ANY TWO QUESTIONS FROM THIS SECTION (30 MARKS)**

5). Discuss three (3) ways governments may apply population data to achieve their development purposes (15 marks)

6) With diagrams, explain the three main types of population pyramid (15 marks)

7) Population growth without the needed growth in physical and social infrastructure will lead to inadequate social services. Discuss how the above statement applies to the following:

- i) Education
- ii) Health
- iii) Water and Sanitation

(15 marks)