

Question 1

- a) What are vertical, horizontal and diagonal consistency check methods in data error detection? [12 points]
- b) In the evaluation of data and error detection both Direct and Indirect methods can be used. Explain briefly. [8 points]

Question 2

Discuss fully what is the UN Joint Score Index and how does it detect errors in data [20 points]

Question 3

In the adjustment of age and sex data, the UN three point/five point smoothing formulae may be used. Discuss the assumptions associated with this method and explain how it is a moving average method [20 points]

Question 4

- a) Write the Balancing Equation. What is the main shortcoming of the equation with respect to assessment of errors in census data [12 points]
- b) What are Post Enumeration Surveys and how are they employed to help detect errors in data. [8 points]

Question 5

Collapsing and then splitting age returns of age groups may help smooth data that is heavily influenced by age misreporting. Show how using the appropriate formulae [20 points]