## **UNIVERSITY OF SWAZILAND**

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## SUPPLEMENTARY EXAMINATION PAPER YEAR 2018

COURSE TITLE: COLLECTION AND ASSESSMENT OF DEMOGRAPHIC DATA

COURSE NUMBER: DEM 213

TIME ALLOWED: 2 (TWO) HOURS

**INSTRUCTIONS: ANSWER ANY 3 (THREE)** 

QUESTIONS

SPECIAL REQUIREMENTS: NONE

Question 1	<ul> <li>a) What are vertical, horizontal and diagonal consistency of in data error detection?</li> <li>b) In the evaluation of data and error detection both Direct methods can be used. Explain briefly</li> </ul>	theck methods [12 points] and Indirect [8 points]
Question 2	Discuss fully what is the UN Joint Score Index and how do errors in data	es it detect [20 points]
Question 3	In the adjustment of age and sex data, the UN three point/fi smoothing formulae may be used. Discuss the assumptions this method and explain how it is a moving average method	ve point associated with [ [20 points]
Question 4	<ul><li>a) Write the Balancing Equation. What is the main shortcorequation with respect to assessment of errors in census</li><li>b) What are Post Enumeration Surveys and how are they end help detect errors in data.</li></ul>	oming of the data [12 points] employed to [8 points]
Question 5	Collapsing and then splitting age returns of age groups may	help smooth

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data that is heavily influenced by age misreporting. Show how using the appropriate formulae [20 points]

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