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UACE S101 General Paper section B: Logic Quiz 4

Study the following information carefully and answer the questions that follow (50marks)

In 2005, there were 78 normal deliveries in Abaffe Maternity Clinic.

In 2006, 82 women gave birth to babies under the cesarean section of this hospital

In 2007, 78 babies were born under the same section, and unfortunately half of them did not make it.

In the same year 5 mothers also failed to make it.

In mid 2008, there were an even number of deliveries both in the cesarean and normal deliveries section of 42 and 60 babies respectively

However, after the intervention of specialized care later on in the same year the number of normal deliveries increased by half.

In 2009, 12 babies were born normally and 3 under the caesarian section, However, history repeat itself and dejectedly 6 mother had a still birth and 9 mothers lost the battle.

Questions

- (a) Draw a table to represent the above data (12marks)
- (b) Calculate the total number of
 - (i) Babies born in 2006 under the normal deliveries section (02mark)
 - (ii) Babies born in five years in caesarian section (02mark)
 - (iii) Mothers who died in five years (02marks)
- (c) What are the causes of the rampant child infant mortality rate in your community? (12marks)
- (d) Suggest practical solutions that can be advanced to mitigate the problem in (c) above (08marks)

Solution

(a) The table showing Normal Deliveries, Caesarian cases, Infant and Maternal rate in Abaffe Clinic.

Deliveries and deaths	Normal Deliveries	Caesarian births	Infant Deaths	Maternal Deaths	Still Births
Year					
2005	78	-	-	-	-
2006	-	82	-	-	-
2007	-	39	39	5	-
2008	60+30=90	42	-	-	-
2009	12	3	-	9	6
Total	180	166	39	14	6

(12marks)

(b) Calculate the total number of

- (i) Babies born in 2008 under the normal deliverer section
The children born under normal delivery section were: $(60+30) = 90$ (02marks)
- (ii) Babies born in the five year under caesarian section were
 $(82 + 39 + 42 + 3) = 166$ babies (02marks)
- (iii) Mother who died in the five year were:
 $(5 + 9) = 14$ deaths (02marks)

(c) Explain the causes of the rampant infant mortality rates in your community

- Birth defects
- Preterm birth and low birth weight
- Sudden infant Death syndrome (SIDS)
- Pregnancy complications
- Accidents such as burns
- Infections
- Incomplete immunization
- Malnutrition
- Backward tendencies e.g. child sacrifice/human rituals
- Mother child HIV/AIDS transmission
- Political and /social instabilities e.g. wars, domestic violence etc .
- Excessive use of drugs and alcohol leading to birth weight
- Diarrheal diseases
- Neonatal encephalopathy, or problems with brain function after birth. Neonatal encephalopathy usually results from birth trauma or a lack of oxygen to the baby during birth.
- Poverty/inability of mothers to afford health care
(any 12 x 1 = 12marks)

(d) Suggest the practical solution that can be advanced to mitigate the problem in (c) above.

- Immediate and exclusive breastfeeding
- Skilled attendants for antenatal, birth, and postnatal care

- Access to nutrition and micronutrients
 - Family knowledge of danger signs in a child's health
 - Improved access to water, sanitation, and hygiene
 - Immunizations
 - Massive mobilization and sensitization of mothers on issues related to antenatal care
 - Easy Access to health care facilities
 - Discourage domestic violence
 - Discourage primitive practices such as child sacrifices.
 - Improvement of hygiene
- (any 8 x 1 = 08marks)

Mark allocation

Section	Marks
(a)	14
(b) (i)	02
(ii)	02
(iii)	02
(c)	12
(d)	08
SPGE	10
Total	50

Thank you
Dr. Bbosa Science