**Question 38 [2015 Sem I Paper] (12 marks)**

Immunity to disease arises as a result of both non-specific and specific defence mechanisms in and on your body.

(a) Complete the table below comparing the two specific forms of immunity.

(8 marks)

|  |  |  |
| --- | --- | --- |
|  | Cell mediated immunity | Humoral immunity |
| Type of lymphocyte involved |  |  |
| Where the lymphocyte matures |  |  |
| What is produced in response to an antigen |  |  |
| Type/s of antigen it is most effective against |  |  |

(b) A new mother was concerned about the risk of infection when her 4 month old baby cut his finger. Her friend told her not to worry as she was still breastfeeding the baby boy. Explain whether this rationale is correct. (4 marks)

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