

AS Level Biology A H020/01 Breadth in Biology

Question Set 21

- 1. The specific immune system is based on white blood cells called lymphocytes.
 - (a) Complete the following passage by using the most appropriate terms from the list. You may use terms once, more than once or not at all.

memory plasma killer T cell antigens antibodies interleukins phagocyte meiosis mitosis hormones

(b) A student wrote the following passage in an essay on the immune system.

Immunisation programmes involve injecting individuals with a small amount of the safe antibody, known as a vaccine. In the UK, babies are given routine vaccinations against a range of infectious diseases including diphtheria and measles. These injections provide aform of natural passive immunity that may last a year, a few years or a lifetime.

State **three** errors that the student has made in this passage.

Injected with small amount of safe <u>antigen</u> rather than antibody.

Injections provide a form of <u>artificial</u> immunity rather than natural.

Injection of antigens provides a form of <u>active</u> immunity rather than passive.

Total Marks for Question Set 21: 8

[3]

[5]



OCR is part of the Cambridge Assessment Group; Cambridge Assessment is the brand name of University of Cambridge Local Examinations Syndicate (UCLES), which is itself a department

For queries or further information please contact The OCR Copyright Team, The Triangle Building, Shaftesbury Road, Cambridge CB2 8EA.

of the University of Cambridge