

Name of the Student: _____

Max. Marks : 19 Marks

Time : 19 Minutes

Mark Schemes

- Q1.**
- | | | |
|-----|--|---|
| (a) | white cells ingest bacteria
produce antibodies which destroy bacteria
produce antitoxins which counteract poisons produced by bacteria
<i>for 1 mark each</i> | 3 |
| (b) | dead/mild microbes
stimulate antibody production
white cells can quickly produce these again
<i>for 1 mark each</i> | 3 |
| (c) | adds more bacteria (mild)
does not affect TB bacteria
<i>for 1 mark each</i> | 2 |
- [8]**

Q2.

- | | | | |
|-----|-------|---|---|
| (a) | (i) | white blood cells
<i>for 1 mark</i> | 1 |
| | (ii) | e.g. contact with infected person unhygienic conditions
<i>for 1 mark each</i> | 2 |
| | (iii) | broken down, by enzymes into amino acids
<i>any 2 for 1 mark each</i> | 2 |
| (b) | | reproduce rapidly produce toxins
<i>for 1 mark each</i> | 2 |
| (c) | | antibiotic or named
<i>for 1 mark</i> | 1 |
| (d) | | mild or deal microbes introduced white cells produce antibodies
which can destroy disease microbes
idea of memory cells
idea that injecting antibodies give immediate production
<i>any 3 for 1 mark each</i> | 3 |

[11]