

**OCR, Edexcel**

**A Level**

# **A Level Biology**

**Pathogens and Disease Answers**

Name:

**M M E**

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**Total Marks: /24**

Answer	Marks
<p>1.</p> <p>a)</p> <p>i) State of physical and mental wellbeing -Absence of disease.</p> <p>b)</p> <p>i) – Pathogens: Microorganism that causes disease. -Parasite: Larger organism that survives by using the hosts nutrients.</p> <p>ii) Parasites: - Tapeworms - Roundworms - Fleas</p> <p>Pathogens: - Bacteria - Virus - Fungi</p> <p>iii) Bacteria – Tuberculosis Virus – influenza Protoctista – Malaria Fungi – Athlete’s foot</p> <p>iv) – genetic - lifestyle – smoking</p> <p>v) – lifestyle - diet - sun exposure - alcohol - drugs - poor nutrition - environmental</p>	<p>2 marks</p> <p>2 marks</p> <p>6 marks</p> <p>4 marks</p> <p>2 marks</p> <p>3 marks</p>
<p>2. A)</p> <p>i) Plasmodium</p> <p>ii) Organism does not cause the disease - transfer the disease causing parasite through feeding</p>	<p>1 mark</p> <p>2 marks</p>

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b)

i) Any two from:

- less health education (safe sex etc.)
- Less money for preventative equipment e.g. mosquito nets
- Poor sanitation, hygiene and over crowding

2 marks