**Surviving**

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| Instructions to students  • You have 50 minutes to complete the test.  • Please answer all questions in the spaces provided.  • There is to be no talking during the test. | Marks  Section I: Multiple-choice questions: 5 marks  Section II: Short-answer questions: 13 marks  Section III: Extended-response questions: 7 marks  Total: 25 marks |

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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Score: /25  Grade: % |
| Comments: | |

Section I: Multiple-choice questions

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| For each question, circle or highlight the correct answer.  1 The tubular muscle that forces food down to the stomach is called the: | |  |
| A | oesophagus. |
| B | tongue. |
| C | liver. |
| D | pancreas. |
| 2 The gastric juices in your stomach are made of: | | |
| A | acids. | |
| B | chyme. | |
| C | acids and enzymes. | |
| D | enzymes and peristalsis. | |
| 3 The function of the xylem in a plant is to: | | |
| A | transport glucose from the leave to the rest of the plant. | |
| B | control gas exchange in the leaves. | |
| C | transport water from the roots to the rest of the plant. | |
| D | absorb water from the soil. | |

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| 4 Asthma and emphysema are both problems in the: | |
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| A | digestive system. |
| B | nervous system. |
| C | excretory system. |
| D | respiratory system. |
| 5 The organ responsible for the metabolism of waste substances is called the: | |
| A | stomach. |
| B | liver. |
| C | alveoli. |
| D | diaphragm. |

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|  | Section I  Total marks:  /5 marks |

Section II: Short-answer questions

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| 6 What is the function of the excretory system? List three organs involved in the excretory system. | | |
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|  | | /4 marks |
| 7 Explain how guard cells control the exchange of gases in plants. | | |
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|  | /2 marks | |
| 8 Compare arteries, veins and capillaries. | | |
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|  | /3 marks | |
| 9 Explain the difference between chemical and physical digestion of food and give an example where each occurs in your body. | | |
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|  | /4 marks | |
|  | Section II  Total marks:  /13 marks | |

Section III: Extended-response questions

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| 10 Explain how the circulatory system is involved in every other system of the body. Use specific examples where possible. | |
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|  | /4 marks |

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| 11 Choose one significant human health problem that you have studied from this chapter that was solved or treated by scientific intervention. Explain what the problem was, how it came about and how science was used to provide a solution. | |
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|  | /3 marks |
|  | Section III  Total marks:  /7 marks |