1.17 Communicable Diseases and Pathogens: 10-minute Pack

Total Marks

AQA 8464 · Calculator allowed · about 10 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Different communicable diseases are caused by different types of pathogen.

(a) State the type of pathogen (bacterium, virus, fungus or protist) that causes measles. **(1)**

(b) State the type of pathogen (bacterium, virus, fungus or protist) that causes salmonella food poisoning. **(1)**

(c) State the type of pathogen (bacterium, virus, fungus or protist) that causes rose black spot. **(1)**

(d) State the type of pathogen (bacterium, virus, fungus or protist) that causes malaria. **(1)**

(Total for Question 1 is 4 marks)

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2 A student describes how bacteria and viruses cause disease.

(a) Give one way in which a virus causes disease in host cells. **(1)**

(b) Give one way in which bacteria cause disease. **(1)**

(Total for Question 2 is 2 marks)

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3 Transmission of communicable diseases can be reduced by hygiene measures.

(a) Describe how hand washing reduces the spread of pathogens. **(2)**

(Total for Question 3 is 2 marks)

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Mark scheme · 1.17 Communicable Diseases and Pathogens: 10-minute Pack

Question 1

(a) virus cao **B1**

(a) Answer: Virus.

(b) bacterium cao **B1**

(b) Answer: Bacterium.

(c) fungus cao **B1**

(c) Answer: Fungus.

(d) protist cao **B1**

(d) Answer: Protist.

Question 2

(a) invades host cells and uses the cell machinery to make new viruses causing cell damage or death, oe **B1**

(a) Answer: Invades host cells and uses the cell machinery to make new viruses, causing cell damage.

(b) produce toxins that damage tissues or disrupt normal body functions, oe **B1**

(b) Answer: Produce toxins that damage tissues or disrupt body functions.

Question 3

(a) removes pathogens and dirt from the skin surface (mechanical removal), or uses soap to disrupt membranes of some microbes **M1**

(a) reduced chance of transferring pathogens to other people or surfaces cao **A1**

(a) Answer: Hand washing removes pathogens and dirt; soap can disrupt membranes of microbes, reducing transfer to other people or surfaces.

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