B7 Non-communicable diseases

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| Question No | Mark |
| 1 |  |
| 2 |  |
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| 4 |  |
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Name ………………………………………………………….

Class …………………………………………………………

Teacher ………………………………………………………

1. Non-communicable diseases can be linked to a range of risk factors. Match each disease to its main risk factor



[3 marks]

1. Body mass index ( BMI ) is a measure of whether a person is a healthy mass for their height.

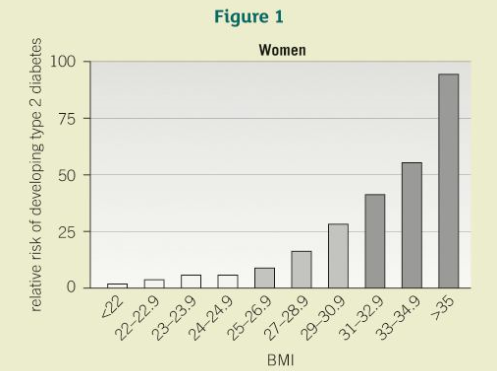
BMI is calculated using the equation:

BMI = body mass in kg

( height in m)2

* 1. A woman has a mass of 92kg and a height of 1.7m, Use the equation to calculate her BMI …………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….[ 2 marks ]

**Figure 1** shows the relative risk of developing Type 2 diabetes in women for different BMI values.



02.2 Use your answer for 02.1 to determine the relative risk for this woman of developing type 2 diabetes

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………..[ 1 mark ]

02.3 Describe the trend shown in **Figure 1** …………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………… [2 marks]

02.4 Suggest **one** other factor that can affect a person’s risk of developing Type 2 diabetes ……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………… [1 mark]

02.5 A man went to a doctor with symptoms that could indicate diabetes.

What blood test would confirm that the man had diabetes?

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02.6 If it was confirmed the man had diabetes the doctor would recommend some changes the man would have to make to his lifestyle.

Suggest **two** changes the man could make to help control his diabetes.

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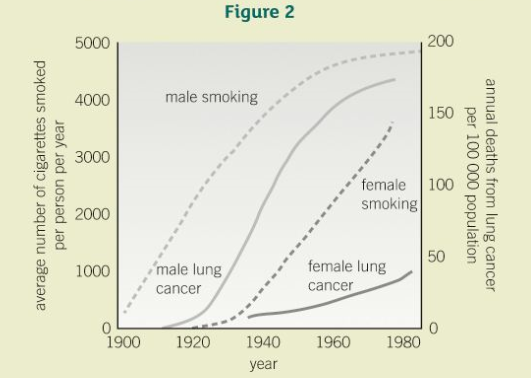
03 Cancers are the result of uncontrolled cell growth and division.

0.31What type of cell division occurs in cancer cells?

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………[ 1 mark]

0.32 Describe how a cancer can spread to different parts of the body ……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………[2 marks ]

**Figure 2** shows the number of deaths from lung cancer and the average number of cigarettes smoked for men and women.



03.3Give **three** conclusions that can be made from **Figure 2**

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0.34Give **one** other non-communicable disease associated with smoking cigarettes.

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………[ 1 mark ]

0.4Health is a state of physical and mental well-being.

Describe some things a person could do **and** things they could avoid in order to stay healthy. Explain how these actions would help the person to stay healthy.

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