**GENERAL HUMAN BIOLOGY – YEAR 12**

**TASK 13 – ALLERGY & STI EXTENDED RESPONSE MARKING KEY**

**Part One – Assessment not to be used again unless corrected**

**– does not fit grade descriptors, questions too easy for 10%**

**Activity Two (31 Marks)**

|  |  |
| --- | --- |
| Behaviour | Mark Allocation |
| Type – bacterial/viral/parasitic/fungal | **1 mark** |
| How Transmitted –   * States whether sexual only or other ways * Specific organism involved | **2 marks**  **1 mark** |
| Cause –   * A-grade response * B-grade response * C-grade response | **3 marks**  **2 marks**  **1 mark** |
| Short Term effects   * Simple explanation / lacks some detail * Descriptive explanation / scientific | **1 mark**  **2 marks** |
| Long Term effects   * Simple explanation / lacks some detail * Descriptive explanation / scientific | **1 mark**  **2 marks** |
| Cure or Treatments –   * Vague / limited information * Discusses only one type / specific brands * In-depth / scientific | **1 mark**  **2 marks**  **3 marks** |
| Social factors   * Simple discussion * Variety of aspects covered * Physical, mental and emotional effects of contraction discussed | **1 mark**  **2 marks**  **3 marks** |
| Prevention   * Simple explanation / lacks some detail * Descriptive explanation / scientific | **1 mark**  **2 marks** |
| Accuracy of Information overall   * A-grade response * B-grade response * C-grade response * D-grade response | **6 marks**  **4 marks**  **2 marks**  **1 mark** |
| Creativity | **2 marks** |
| On time / efficient use of class time | **2 marks** |
| Own words | **2 marks** |

**Part Two (24 MARKS)**

**Questions**

1. Answer question a. in the infographic above [5 marks]

*Any 5 for 1 mark each*

Fish, shellfish, peanuts, tree nuts, soy, eggs, or any other known food allergen

1. List five possible reactions to these allergens ? [5 marks]

* Swelling
* Itching
* Hives
* Vomiting
* Diarrhoea

1. What is anaphylaxis ? [1 mark]

*Any correct definition for 1 mark. E.g.:*

* A potentially life threatening reaction to an allergen that can impair breathing and send the whole body into shock

1. Sally is 5 years old and has just been to a birthday party. Sally is anaphylactic to peanuts. At the party, she sees brownies and eats one, however, she did not know that they were peanut butter brownies
   1. List two symptoms that Sally might experience after eating the peanut butter brownie ? [2 marks]

* Swelling
* Vomiting
  1. You are present at the party to pick up your younger brother, what device should you use to treat Sally ? AND what is the name of the drug inside the device ? [2 marks]
* Epipen
* Adrenaline/epinephrine
  1. What should have been told to the children or their parents prior to the children eating the party food? Give specific examples of what information should have been given to them. [3 marks]

*Based on level of response (C/B/A grade)*

* What was in the food (1)
* Ingredients list (2)
* Specific ingredients in food that could cause anaphylaxis – such as peanuts (3)

1. Explain the difference between a food allergy and a food intolerance ? [2 marks]

* Allergy can kill you/immune reaction
* Intolerance only produces unpleasant symptoms

1. Food intolerances cause their own set of symptoms. State 4 common symptoms caused by a food intolerance? [2 marks]

|  |  |  |
| --- | --- | --- |
| * Nausea | * Indigestion | * Vomiting |
| * Bloating | * Belching/burping | * Heartburn |
| * Diarrhoea | * Fatigue | * Irritability |
| * Passing excessive amounts of gas/flatulence |  |  |

1. Discuss why milk and wheat (gluten) are not generally included as foods that can cause allergy ? [2 marks]

*2 marks for detailed description or 1 mark for simple description. May include:*

* Do not involve the immune system
* Can have similar symptoms
* Have an intolerance to them