****

**YEAR 11 GENERAL HUMAN BIOLOGY**

**TASK 4**

**DIGESTIVE SYSTEMS RESEARCH EXTENDED RESPONSE**

**Weighting 10%**

**NAME: MARK = / 42**

**Part A: Research (12 Marks)**

1. Complete the table on various digestive disorders.
2. Select one of the disorders to complete an in-depth study on.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Disorders** | **Definition** | **Main causes** | **Signs and Symptoms** | **Treatments** |
| **Constipation** |  |  |  |  |
| **Diarrhoea** |  |  |  |  |
| **Ulcers** |  |  |  |  |
| **Gallstones** |  |  |  |  |

2. In-depth Study

* Choose one of the disorders from the table above
* Using your understanding of the digestive system explain how the disorder affects the efficiency of the digestive system to absorb nutrients
* You should include images and diagrams to support your answer
* You must include a bibliography with at **least 3 references**
  + This may not include: Wikipedia
* When discussing treatment include advantages and disadvantages of the different options available to patients
  + Common treatments are: drugs, physical therapy, radiation, removal or replacement of organs

**Part B: Validation (30 marks)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **A-5 marks** | **B-4 marks** | **C-3 marks** | **D-2 marks** | **E-1 mark** |
| Applies concepts to describe structures and systems and explains processes, in detail, using appropriate scientific language and conventions | Applies concepts to describe structures and systems and briefly explains processes using scientific language and conventions | Describes concepts using some scientific language and conventions. Provides representations which lack detail | Describes concepts using everyday language with frequent errors in the use of conventions. Presents responses which are often incomplete | Does not meet the requirements of a D grade |
| Interprets, compares and evaluates scientific information to support various points of view | Interprets and compares scientific information to support a point of view | Selects some scientific information to support a point of view but includes some irrelevant or incorrect information | Presents statements of ideas, but with limited development of an argument. Selects inappropriate scientific information to support a point of view |