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| Year 11 Human Biology – Extended Response  Task 15 (4%)  **Contraceptives Brochure** | | | |
|  | | | |
| Name: | | | |
| **Time allowed**: Validation Test – 1 Lesson | | | |
| **Section** | Your Mark | Marks available | Percentage of Investigation |
| **Section 1:**  Informative Brochure |  | 30 | 50% |
| **Section 2:**  Validation Test |  | 30 | 50% |
|  |  | 60 | **100** |

**Due Date:** Term 4 Week 4 Tuesday 4th November 2019 (Validation Test on Same Day)

**Declaration of Authenticity:**

I (Student Name) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ declare that this work is my own and I have not plagiarised from any source.

Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Task: Informative Brochure**

Contraception methods are designed to reduce the probability of the union of gametes or implantation from taking place. There is a variety of methods that can be used, and they range in effectiveness, and each have different benefits and limitations. With so many types of contraception available today it is difficult to figure out which type is best suited for each individual.

*Your task is to create an informative brochure to inform an audience of your peers about the different contraceptive methods.*

**Your brochure must include:**

* One type of **natural method**
* One type of **intrauterine device**
* Two types of **mechanical barriers**
* Two types of **hormonal contraceptives**

**For each method:**

* Explan how it works
* Describe the risks associated with it
* Describe the limitations and benefits of it

**Requirements:**

* Your brochure must be A4 (both sides)
* It may be typed or hand drawn
* It should include visuals
* It should be visually appealing and easy to read
* A bibliography must be submitted on a separate sheet of paper in APA referencing format.

**Marking:**

Marks will be allocated for:

* Content accuracy
* Summarising the content effectively (highlighting **only** the key points)
* Use of images and formatting
* Bibliography

**Due Date:** Term 4 Week 4 Tuesday 4th November 2019 (Validation Test on Same Day)

You will submit your brochure with the declaration of authenticity BEFORE sitting the validation test.

The validation test will test your understanding about the types of contraceptive methods that you researched.



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| Year 11 Human Biology – Extended Response  Task 15 (4%)  **Contraceptives Brochure**  **VALIDATION TEST** | | | |
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| Name: | | | |
| **Time allowed**: Validation Test | | | |
| **Section** | Your Mark | Marks available | Percentage of Investigation |
| **Section 1:**  Research |  | 30 | 50% |
| **Section 2:**  Validation Test |  | 30 | 50% |
|  |  | 60 | **100** |

**Due Date:** Term 4 Week 4 Tuesday 5th November 2019 (Validation Test on Same Day)

**Contraceptives Brochure - Validation Test**

***Answer the questions on the lined paper provided. Make sure to note which question you are answering my putting the question number at the top of your answer.***

1. Many contraceptives are available today to prevent pregnancy. Briefly describe the steps required for a woman to get pregnant. **(4 marks)**
2. A female is visiting her doctor and is trying to decide whether to go on a hormonal contraceptive or get an intrauterine device placed. She is having trouble deciding between the two. Using an example of **one** hormonal contraceptive and **one** intrauterine device, describe what they are, how they work, and their advantages and disadvantages. **(16 marks)**
3. Some people prefer not to use any contraceptives, instead they perform periodic abstinence. Describe what periodic abstinence is and describe one method of periodic abstinence. State the advantages and disadvantages of using this method.

**(8 marks)**

1. Mechanical barriers are another form of contraceptive. Even when someone is already using a contraceptive, e.g. the combined pill, it is also recommended that they use a mechanical barrier. State two reasons why a person would use a mechanical barrier as well as another form of contraceptive. **(2 marks)**

**Validation Test:**

1. Many contraceptives are available today to prevent pregnancy. Briefly describe the steps required for a woman to get pregnant. Include in your description what happens to the sperm and egg. **(4 marks)**

* Insemination – when the male ejaculates and in the vagina and the sperm are released
* The sperm then travel through the cervix and uterus to the uterine tubes where it meets the egg
* The tips of the sperm contain an enzyme that breaks down the outer layer of the egg (corona radiata) fertilising the egg
* The fertilised egg/zygote/blastocyst then must implant into the uterine wall

1. A female is visiting her doctor and is trying to decide whether to go on a hormonal contraceptive or get an intrauterine device placed. She is having trouble deciding between the two. Using an example of **one** hormonal contraceptive and **one** intrauterine device, describe what they are, how they both work, and the advantages and disadvantages of both.

**(16 marks)**

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| **For each device** | **Marks** |
| Describes the contraceptive E.g: Combined pill is a tablet that contains chemicals like progesterone and oestrogen | 1 mark |
| Describes how they work  E.g:  Any three of the following:   * Pill is taken daily at the same time * It prevents the release of a mature egg from the ovary – meaning there is no egg to fertilise * It creates a thick sticky cervical mucus – making it difficult for sperm to pass through therefore unable to fertilise the egg * It alters the lining of the uterus making is thin so that a fertilised egg could not implant | 3 marks |
| Gives two advantages | 2 marks |
| Gives two disadvantages | 2 marks |

1. Some people prefer not to use any contraceptives, instead they perform periodic abstinence. Describe what periodic abstinence is and describe one method of periodic abstinence. State the advantages and disadvantages using this method. **(8 marks)**

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| **Method** | **Marks** |
| **Periodic Abstinence:**  Female determines when ovulation is occurring an avoid intercourse over the days that fertilisation is most likely to occur. | 1 mark |
| Gives an example of periodic abstinence and describes how it works  E.g.: **Temperature method**   * Woman takes her temperature every morning * Ovulation is associated with a sharp decrease then increase in body temperature * After ovulation the woman abstain from intercourse for three days | 3 marks |
| Gives two advantages | 2 marks |
| Gives two disadvantages | 2 marks |

1. Mechanical barriers are another form of contraceptive. Even when someone is already using a contraceptive, e.g. the pill, it is also recommended that they use a mechanical barrier as well. State two reasons why a person would use a mechanical barrier as well as another form of contraceptive. **(2 marks)**

* No contraceptive method is 100% effective therefore using additional contraceptives reduces the chance of pregnancy even further.
* It can prevent the transfer of Sexually transmitted infections.

**Marking Key Contraceptives Brochure:**

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|  | **Excellent (3)** | **Satisfactory (2)** | **Lacking (1)** |
| Content Accuracy and Information validity | * Content covers all research areas * Content is correct * Content is concise, includes only the most important or relevant information * Information is well summarised | * Covers almost all the research areas * Most of the information is correct * Content includes mostly relevant information – some information may be irrelevant * Information is fairly-well summarised | * Is missing some of the research areas/ lacking content OR * Brochure include too much irrelevant information * Information is not summarised well * Key information is incorrect |
| Application to Audience | * Content is written in an engaging way to target its audience (teenagers) * Content is simplified and summarised effectively for the target audience to understand * Includes only information important to the target audience | * Content is written in a fairly engaging way to target its audience (teenagers) * Content is fairly well simplified and summarised for the target audience to understand * Includes mainly information important to the target audience | * Content is not written engagingly * Content includes the use of too much scientific jargon and does not simplify the information effectively for the target audience * Content includes irrelevant or too detailed information that the target audience does not require |
| Attractiveness & Organization | * Concepts are presented in a logical order * Brochure is clear, legible and easy to follow * Makes use of headings, colours or highlighting to organise and show important information * Contain very few spelling and grammatical errors * Exceptionally attractive formatting with well-organized information. * Choice of colours and font is easy to read and makes the brochure engaging and eye-catching | * Concepts are presented in a fairly logical order * Brochure is fairly clear, legible and easy to follow * Makes some use of headings, colours or highlighting to organise and show important information * Contain some spelling and grammatical errors * Attractive formatting with well-organized information. * Choice of colours and font is clear, but could be more engaging and eye-catching | * Concepts are not presented logically * Brochure is hard to read and difficult to follow * Notes don’t use many headings, colours or highlighting to organise and show important information * Contain many spelling and grammatical errors * Is not very well organized or formatted * Choice of colours/font makes text hard to read |
| Graphics and Pictures | * Graphics match the topic and text in section where placed * Graphics help the audience to understand the content better * Graphics are good quality and easy to see in a brochure format | * Graphics mostly match the topic and text in section where placed * Graphics mostly help the audience to understand the content better * Some graphics are good quality and easy to see in a brochure format | * Graphics are mostly unrelated to the text in section where placed * Graphics mostly do not help the audience to understand the content better * Graphics are poor quality and difficult to see in a brochure format |

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|  | **Excellent (3)** | **Satisfactory (2)** | **Lacking (1)** |
| Bibliography | * Follows APA style guidelines * Cites 4+ references * Bibliography page is clear and in alphabetical order | * Follows APA style guidelines with a few exceptions * Cites 3-4 references * Bibliography page is clear | * Fails to follow APA style guidelines * Only cites 1-2 references * Bibliography page is not displayed logically or is difficult to read |

**Bibliography:**

**Total: /15**