**TYPE:** Extended Response

**Task 8:** Osteoporosis and Osteoarthritis Extended Response – Research and Note Taking. Students will research Osteoporosis and Osteoarthritis with reference to the cause, effects, technology for treatments and any side effects. One class will be given for the research, and an In-class Extended Response without notes will be undertaken. 42 marks

Your Research notes will be due in the same day as the in-class Extended Response:

**Due Date:**

**Attach your Research notes to this page.**

**In-class Extended Response**

**Time for the tasks (1 hour)**

5 minutes reading time

55 minutes working time

|  |  |  |
| --- | --- | --- |
| Assessment: | Marks available | Your Mark |
| Research notes | **5** |  |
| In-class Extended Response | **37** |  |
| **TOTAL MARK** | **42** |  |

**STUDENT NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**TEACHER: Ms Burns YEAR: 11**

**OSTEOPOROSIS AND OSTEOARTHRITIS RESEARCH ASSIGNMENT**

**IN-CLASS ASSESSMENT**

**Write your answer on the lined paper provided.**

1. Osteoporosis and osteoarthritis are both degenerative bone diseases that can be associated with ageing.

(a) Distinguish between osteoporosis and osteoarthritis. (3 marks)

Osteoporosis is more common among women than men. In Australia, 5.5% of

women, compared to 1.2% of men, have osteoporosis.

(b) Describe, in terms of bone structure, how osteoporosis develops and explain why women are more likely to be affected by osteoporosis than men.

(10 marks)

(c) List three risk factors for increased likelihood of being affected by osteoporosis and how it is diagnosed in Australia. (5 marks)

(d) Describe three non-medicinal treatments with respect to osteoporosis. Then, describe one specific **medicinal** form of treatment and any associated risks or side effects. (8 marks)

1. In 2007–08 an estimated 7.6% of all Australians (1.6 million people) had osteoarthritis.

(a) Describe the common symptoms of osteoarthritis and provide the main

causes of osteoarthritis. (4 marks)

(b) Describe the process of diagnosis for osteoarthritis and the

most common treatment. (7 marks)

END OF ASSESSMENT

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