**Analysis of Movement & Levers Questions**

State **one** mechanical advantage and **one** mechanical disadvantage of the lever system that is being used at the right ankle as the runner in **Figure 1** moves from Position **A** to Position **B**. *(2 marks)*

What are the names of the ‘articulating bones’ of the knee joint? *(2 marks)*

**Analysis of Movement & Levers Answers**

State **one** mechanical advantage and **one** mechanical disadvantage of the lever system that is being used at the right ankle as the runner in **Figure 1** moves from Position **A** to Position **B**. *(2 marks)*

***Advantages***

*A. Larger forces generated/longer force/effort arm*

*B. Easy to move heavy/large weight*

***Disadvantages***

*C. Limited range of movement*

*D. Limited/reduced speed of movement*

**What are the names of the ‘articulating bones’ of the knee joint? *(2 marks)***

*A. Tibia;*

*B. Femur.*