Expected Questions

1 **(a) S**tate **two** arrays **of the same data type** you used for **Task 1**. Briefly explain what the arrays were used for.

Data Type: .....

Array: .....

Purpose: .....

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Array: .....

Purpose: .....

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[4]

(b)(i) Explain, **in words**, how your solution performed the required check for the best value of ticket prices. State any programming constructs used (assignment, conditional statements, iterations, etc.).

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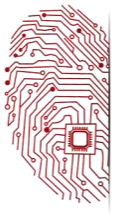

Expected Questions

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[4]

(ii) Write the **pseudocode** for the implementation of the required check you described in **part (b)(i)**.

All variables and identifiers must have meaningful names.

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[5]

Expected Questions

(c) State and describe the effect caused on the data structures and their values used within your code by adding two more ticket types ("Infants" and "Deceased"), and one more extra attraction ("Giraffe Feeding").

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[2]

(d) The Wildlife Park's technical department requires you to use the following identifiers in your code for their specific data structure(s):

`attractionsAvailable`: identifier used for the data structure containing the names of all the Extra Attractions.

`ticketCostsOne`: identifier used for the data structure containing the cost of the tickets for "One Day" ticket type.

`TicketCostsTwo`: identifier used for the data structure containing the cost of the tickets for "Two Days" ticket type.

Write a pseudocode algorithm for **Task 1**. Implement the use of these identifiers to their relevant corresponding data structures.

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Expected Questions

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Expected Questions

(e) Write an algorithm for completing **Task 2**, using pseudocode.

Assume that **Task 1** has been completed.

Expected Questions

[5]

(f) Explain the changes necessary to the solution for **Task 3** in order to also display the difference in the cost between the current selection of tickets and the best value selection.

Expected Questions

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[4]