December 2019 Examinations

CSC 108 H1F

Duration: **3 hours**

Question 1. [4 marks]

Part (a) [1 mark] Complete the function `is_eligible_for_award` according to its docstring below.

```
def is_eligible_for_award(gpa: float, major: str, req_gpa: float, req_major: str) -> bool:
    """Return True if and only if gpa is greater than or equal to req_gpa and
    major is equal to req_major.

    >>> is_eligible_for_award(4.0, 'CS', 3.5, 'CS')
    True
    >>> is_eligible_for_award(4.0, 'Econ', 3.5, 'CS')
    False
    >>> is_eligible_for_award(3.3, 'CS', 3.5, 'CS')
    False
    """

    return gpa >= req_gpa and major == req_major
```

Part (b) [3 marks] Complete the function `get_award_winners` according to its docstring below. Your code