

**ANSWER SHEETS****INSTRUCTIONS TO STUDENTS**

1. This document consists of **TEN (10)** printed pages.
2. Fill in your Student Number clearly below and at the top of pages 3, 5, 7 and 9 (if you write on page 9).

STUDENT NO.:

A									
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(Write your Student Number legibly with a pen.)

<i>For examiners' use only</i>		
<i>Question</i>	<i>Max</i>	<i>Marks</i>
Q1-6	12	
Q7	5	
Q8	4	
Q9	5	
Q10	24	
Q11	10	
Q12	12	
Q13	8	
<b><i>Total</i></b>	<b>80</b>	

## Section A.

[12 marks]

Q1 Q2 Q3 Q4 Q5 Q6 

Q7.

[5 marks]

Q8.

[4 marks]

(a)	[0]	[1]	[2]	[3]	[4]
arr[0]					
arr[1]					
arr[2]					
arr[3]					
arr[4]					

(b)	[0]	[1]	[2]	[3]	[4]
arr[0]					
arr[1]					
arr[2]					
arr[3]					
arr[4]					

Q9.

[5 marks]

(a):

(b):

(c):

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Q10. (a) readRecords()

[8 marks]

```
int readRecords(employee_t employees[]) {
```

```
}
```

Q10. (b) sortEmployees()

[8 marks]

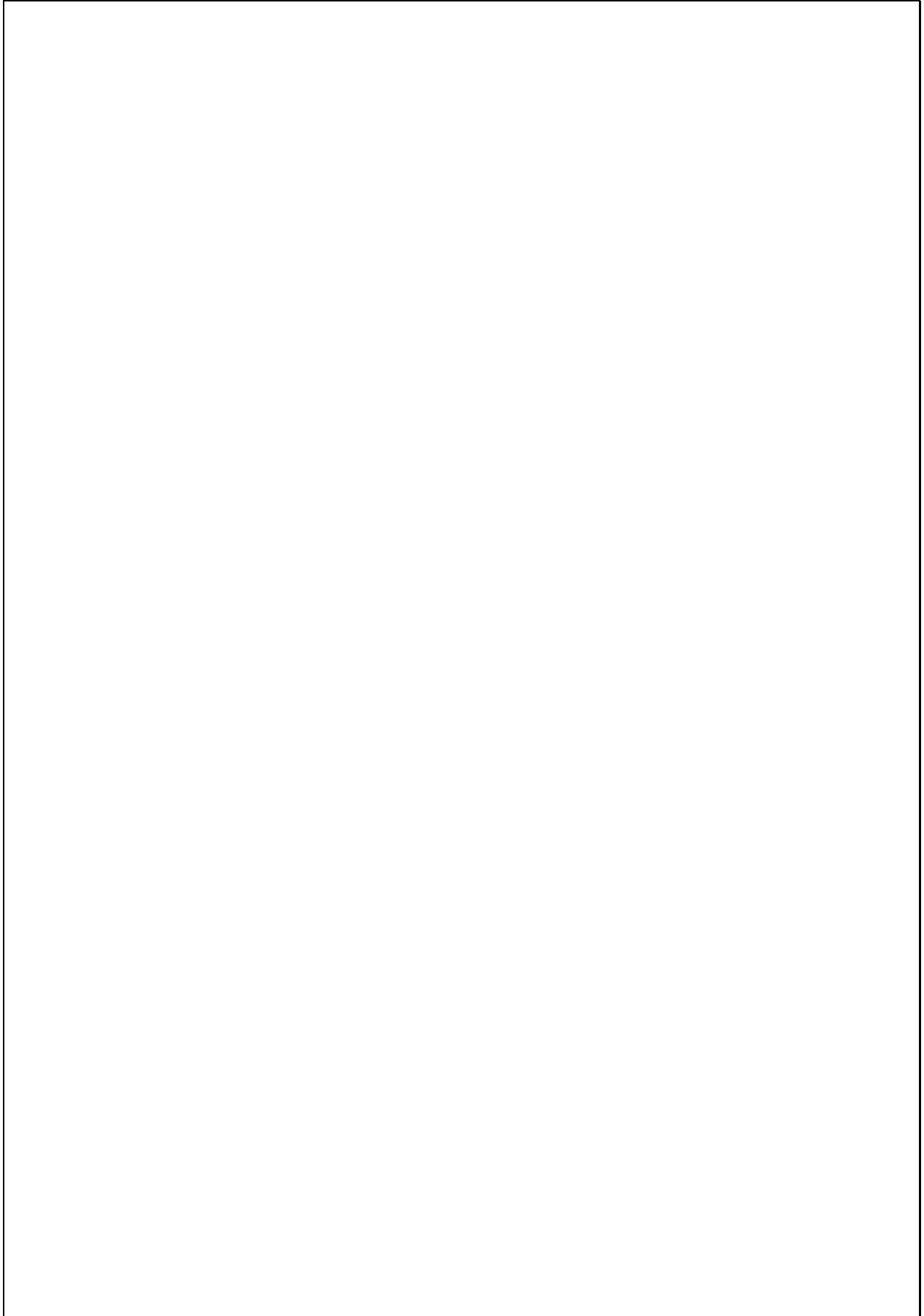
```
void sortEmployees(employee_t employees[], int num){
```

```
}
```



**Q11. Movie Taste**

**[10 marks]**



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Q12. Lock Screen

[12 marks]

```
int match(char str[], char pat[]) {
```

```
}
```

## Q13. Coupon

[8 marks]

```
int minimumCost(coupon_t coupons[],  
                int numCoupons, int units){
```

```
}
```



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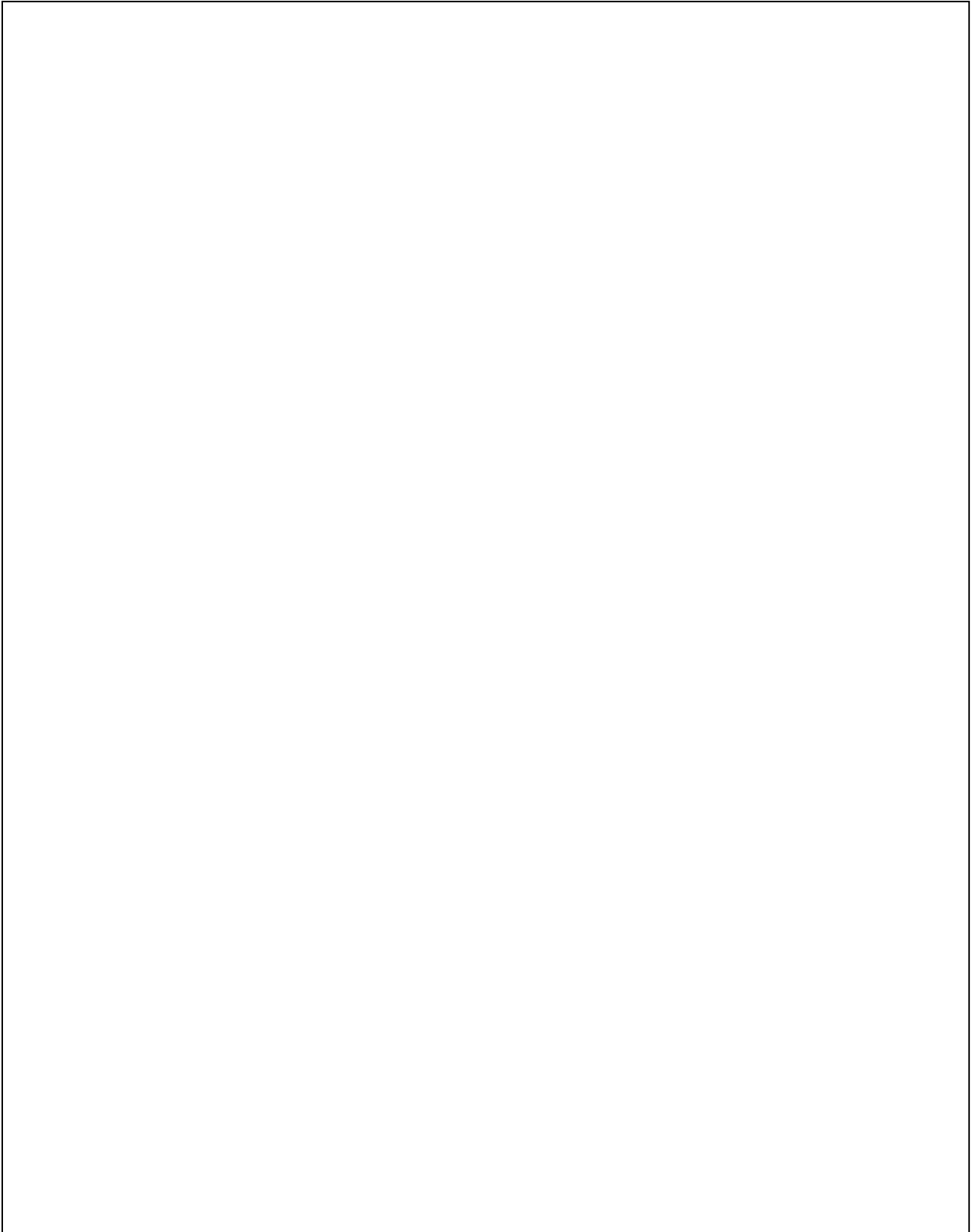
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Do **NOT** use it for your rough work.

Use it **ONLY** if you need extra space for your answer, in which case please indicate the **question number clearly**.

A large, empty rectangular box with a thin black border, occupying most of the page. It is intended for students to write their answers to questions, with the instruction to clearly indicate the question number.

This page is intentionally left blank.  
Do **NOT** use it for your rough work.  
Use it **ONLY** if you need extra space for your answer, in which case please indicate  
the **question number clearly**.



— **END OF PAPER** —