INSTRUCTIONS TO CANDIDATES:

1. Take thermal voltage $V_T = 25$ mV.
2. Give your answers in the spaces provided.
3. Write your name and number in the following box.

<table>
<thead>
<tr>
<th>Name:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number:</td>
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</table>
Q.1  (a)  Find the Q-point for the diodes in Figure Q1(a) using the ideal diode model.

(50 marks)

Answer:
Q.1(b) 

Find the Q-point for the diodes in Figure Q1(b) using the ideal diode model.

(50 marks)

Figure Q1(b)

Answer: