

Facultad de Ingeniería Mecánica y Eléctrica Unidad Torreón

Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2017
Exam / Homework	Homework 1: Introduction to semiconductors	Registration #	15128916
Professor's name	Suresh Kumar Gadi	Marks Obtained	/10
Student's name	PEDRO FRAIRE SOLÍS		

### Instructions

- 1. The student should submit the homework on or before the due date. (LATE SUBMISSION = 0 MARKS)
- 2. Answers should be hand written on a A4 or a letter size bond papers. (20% of the marks obtained will be reduced)
- 3. The student should print his/her corresponding question-paper and staple it along with his/her answer sheets. (20% of the marks obtained will be reduced)
- 4. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

- 1. List all the elements with: (3 points)
  - (a) four valance electrons.
  - (b) three valance electrons.
  - (c) five valance electrons.
- 2. Beyond which atomic number the elements show the property of radioactive decay (or nuclear decay)? (1 points)
- 3. What are the different allotropes of the carbon element? (3 points)
- 4. Draw and explain the monocrystalline silicon structure. (3 point)



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Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2017
Exam / Homework	Homework 1: Introduction to semiconductors	Registration #	15132525
Professor's name	Suresh Kumar Gadi	Marks Obtained	/10
Student's name	JULIO CÉSAR LOZANO ALMAGUER		

### Instructions

- 1. The student should submit the homework on or before the due date. (LATE SUBMISSION = 0 MARKS)
- 2. Answers should be hand written on a A4 or a letter size bond papers. (20% of the marks obtained will be reduced)
- 3. The student should print his/her corresponding question-paper and staple it along with his/her answer sheets. (20% of the marks obtained will be reduced)
- 4. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

- 1. List all the elements with: (3 points)
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Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2017
Exam / Homework	Homework 1: Introduction to semiconductors	Registration #	15158174
Professor's name	Suresh Kumar Gadi	Marks Obtained	/10
Student's name	JORGE LUIS DÍAZ ENRÍQUEZ		

### Instructions

- 1. The student should submit the homework on or before the due date. (LATE SUBMISSION = 0 MARKS)
- 2. Answers should be hand written on a A4 or a letter size bond papers. (20% of the marks obtained will be reduced)
- 3. The student should print his/her corresponding question-paper and staple it along with his/her answer sheets. (20% of the marks obtained will be reduced)
- 4. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

- 1. List all the elements with: (3 points)
  - (a) four valance electrons.
  - (b) three valance electrons.
  - (c) five valance electrons.
- 2. Beyond which atomic number the elements show the property of radioactive decay (or nuclear decay)? (1 points)
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- 4. Draw and explain the monocrystalline silicon structure. (3 point)



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Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2017
Exam / Homework	Homework 1: Introduction to semiconductors	Registration #	15149897
Professor's name	Suresh Kumar Gadi	Marks Obtained	/10
Student's name	JULIO CÉSAR GARCÍA CASTILLO		

### Instructions

- 1. The student should submit the homework on or before the due date. (LATE SUBMISSION = 0 MARKS)
- 2. Answers should be hand written on a A4 or a letter size bond papers. (20% of the marks obtained will be reduced)
- 3. The student should print his/her corresponding question-paper and staple it along with his/her answer sheets. (20% of the marks obtained will be reduced)
- 4. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

- 1. List all the elements with: (3 points)
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  - (c) five valance electrons.
- 2. Beyond which atomic number the elements show the property of radioactive decay (or nuclear decay)? (1 points)
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- 4. Draw and explain the monocrystalline silicon structure. (3 point)



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Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2017
Exam / Homework	Homework 1: Introduction to semiconductors	Registration #	15133897
Professor's name	Suresh Kumar Gadi	Marks Obtained	/10
Student's name	VÍCTOR MANUEL GARCÍA CARRILLO		

### Instructions

- 1. The student should submit the homework on or before the due date. (LATE SUBMISSION = 0 MARKS)
- 2. Answers should be hand written on a A4 or a letter size bond papers. (20% of the marks obtained will be reduced)
- 3. The student should print his/her corresponding question-paper and staple it along with his/her answer sheets. (20% of the marks obtained will be reduced)
- 4. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

- 1. List all the elements with: (3 points)
  - (a) four valance electrons.
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  - (c) five valance electrons.
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Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2017
Exam / Homework	Homework 1: Introduction to semiconductors	Registration #	15132740
Professor's name	Suresh Kumar Gadi	Marks Obtained	/10
Student's name	JOVANA SOLEDAD GARCÍA REYES		

### Instructions

- 1. The student should submit the homework on or before the due date. (LATE SUBMISSION = 0 MARKS)
- 2. Answers should be hand written on a A4 or a letter size bond papers. (20% of the marks obtained will be reduced)
- 3. The student should print his/her corresponding question-paper and staple it along with his/her answer sheets. (20% of the marks obtained will be reduced)
- 4. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

- 1. List all the elements with: (3 points)
  - (a) four valance electrons.
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  - (c) five valance electrons.
- 2. Beyond which atomic number the elements show the property of radioactive decay (or nuclear decay)? (1 points)
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- 4. Draw and explain the monocrystalline silicon structure. (3 point)



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Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2017
Exam / Homework	Homework 1: Introduction to semiconductors	Registration #	15141730
Professor's name	Suresh Kumar Gadi	Marks Obtained	/10
Student's name	VÍCTOR MANUEL PUENTES RODRÍGUEZ		

### Instructions

- 1. The student should submit the homework on or before the due date. (LATE SUBMISSION = 0 MARKS)
- 2. Answers should be hand written on a A4 or a letter size bond papers. (20% of the marks obtained will be reduced)
- 3. The student should print his/her corresponding question-paper and staple it along with his/her answer sheets. (20% of the marks obtained will be reduced)
- 4. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

- 1. List all the elements with: (3 points)
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  - (c) five valance electrons.
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Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2017
Exam / Homework	Homework 1: Introduction to semiconductors	Registration #	15153534
Professor's name	Suresh Kumar Gadi	Marks Obtained	/10
Student's name	JOSÉ ANTONIO RINCÓN ACOSTA		

### Instructions

- 1. The student should submit the homework on or before the due date. (LATE SUBMISSION = 0 MARKS)
- 2. Answers should be hand written on a A4 or a letter size bond papers. (20% of the marks obtained will be reduced)
- 3. The student should print his/her corresponding question-paper and staple it along with his/her answer sheets. (20% of the marks obtained will be reduced)
- 4. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

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Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2017
Exam / Homework	Homework 1: Introduction to semiconductors	Registration #	15149344
Professor's name	Suresh Kumar Gadi	Marks Obtained	/10
Student's name	FABIÁN ALONSO SOTO LUNA		

### Instructions

- 1. The student should submit the homework on or before the due date. (LATE SUBMISSION = 0 MARKS)
- 2. Answers should be hand written on a A4 or a letter size bond papers. (20% of the marks obtained will be reduced)
- 3. The student should print his/her corresponding question-paper and staple it along with his/her answer sheets. (20% of the marks obtained will be reduced)
- 4. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

- 1. List all the elements with: (3 points)
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Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2017
Exam / Homework	Homework 1: Introduction to semiconductors	Registration #	15140545
Professor's name	Suresh Kumar Gadi	Marks Obtained	/10
Student's name	MAYRA SELENE MIRELES CARDOZA		

### Instructions

- 1. The student should submit the homework on or before the due date. (LATE SUBMISSION = 0 MARKS)
- 2. Answers should be hand written on a A4 or a letter size bond papers. (20% of the marks obtained will be reduced)
- 3. The student should print his/her corresponding question-paper and staple it along with his/her answer sheets. (20% of the marks obtained will be reduced)
- 4. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

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Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2017
Exam / Homework	Homework 1: Introduction to semiconductors	Registration #	15315202
Professor's name	Suresh Kumar Gadi	Marks Obtained	/10
Student's name	ALAN M. CABRERA MORA		

### Instructions

- 1. The student should submit the homework on or before the due date. (LATE SUBMISSION = 0 MARKS)
- 2. Answers should be hand written on a A4 or a letter size bond papers. (20% of the marks obtained will be reduced)
- 3. The student should print his/her corresponding question-paper and staple it along with his/her answer sheets. (20% of the marks obtained will be reduced)
- 4. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

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Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2017
Exam / Homework	Homework 1: Introduction to semiconductors	Registration #	13056433
Professor's name	Suresh Kumar Gadi	Marks Obtained	/10
Student's name	DANIEL ALEJANDRO CARRILLO HERNÁNDEZ		

### Instructions

- 1. The student should submit the homework on or before the due date. (LATE SUBMISSION = 0 MARKS)
- 2. Answers should be hand written on a A4 or a letter size bond papers. (20% of the marks obtained will be reduced)
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Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2017
Exam / Homework	Homework 1: Introduction to semiconductors	Registration #	15122162
Professor's name	Suresh Kumar Gadi	Marks Obtained	/10
Student's name	ORLANDO BARBOZA GARCÍA		

### Instructions

- 1. The student should submit the homework on or before the due date. (LATE SUBMISSION = 0 MARKS)
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Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2017
Exam / Homework	Homework 1: Introduction to semiconductors	Registration #	10069634
Professor's name	Suresh Kumar Gadi	Marks Obtained	/10
Student's name	EDUARDO TORRES GOITIA		

### Instructions

- 1. The student should submit the homework on or before the due date. (LATE SUBMISSION = 0 MARKS)
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Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2017
Exam / Homework	Homework 1: Introduction to semiconductors	Registration #	15157355
Professor's name	Suresh Kumar Gadi	Marks Obtained	/10
Student's name	VICTOR SIFUENTES VARGAS		

### Instructions

- 1. The student should submit the homework on or before the due date. (LATE SUBMISSION = 0 MARKS)
- 2. Answers should be hand written on a A4 or a letter size bond papers. (20% of the marks obtained will be reduced)
- 3. The student should print his/her corresponding question-paper and staple it along with his/her answer sheets. (20% of the marks obtained will be reduced)
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Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2017
Exam / Homework	Homework 1: Introduction to semiconductors	Registration #	14576492
Professor's name	Suresh Kumar Gadi	Marks Obtained	/10
Student's name	JONATHAN RODRÍGUEZ CHÁVEZ		

### Instructions

- 1. The student should submit the homework on or before the due date. (LATE SUBMISSION = 0 MARKS)
- 2. Answers should be hand written on a A4 or a letter size bond papers. (20% of the marks obtained will be reduced)
- 3. The student should print his/her corresponding question-paper and staple it along with his/her answer sheets. (20% of the marks obtained will be reduced)
- 4. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

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- 4. Draw and explain the monocrystalline silicon structure. (3 point)



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Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2017
Exam / Homework	Homework 1: Introduction to semiconductors	Registration #	15129708
Professor's name	Suresh Kumar Gadi	Marks Obtained	/10
Student's name	LUIS FERNANDO CASTAÑEDA QUIROGA		

### Instructions

- 1. The student should submit the homework on or before the due date. (LATE SUBMISSION = 0 MARKS)
- 2. Answers should be hand written on a A4 or a letter size bond papers. (20% of the marks obtained will be reduced)
- 3. The student should print his/her corresponding question-paper and staple it along with his/her answer sheets. (20% of the marks obtained will be reduced)
- 4. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

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- 3. What are the different allotropes of the carbon element? (3 points)
- 4. Draw and explain the monocrystalline silicon structure. (3 point)



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Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2017
Exam / Homework	Homework 1: Introduction to semiconductors	Registration #	14317737
Professor's name	Suresh Kumar Gadi	Marks Obtained	/10
Student's name	VANESA IRANÍ MORA MORENO		

### Instructions

- 1. The student should submit the homework on or before the due date. (LATE SUBMISSION = 0 MARKS)
- 2. Answers should be hand written on a A4 or a letter size bond papers. (20% of the marks obtained will be reduced)
- 3. The student should print his/her corresponding question-paper and staple it along with his/her answer sheets. (20% of the marks obtained will be reduced)
- 4. In the calculations, the student should maintain at least a precision of 3 decimal places with a correct rounding. (20% of the marks obtained will be reduced)

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  - (a) four valance electrons.
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- 2. Beyond which atomic number the elements show the property of radioactive decay (or nuclear decay)? (1 points)
- 3. What are the different allotropes of the carbon element? (3 points)
- 4. Draw and explain the monocrystalline silicon structure. (3 point)