



Universidad Autónoma de Coahuila

Facultad de Ingeniería Mecánica y Eléctrica

Unidad Torreón

Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2016
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)

Questions

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 tend to become radioactive? (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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Unidad Torreón

Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2016
Exam / Homework	Homework 1: Introduction to semiconductors	Registration #	15132525
Professor's name	Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	<i>JULIO CÉSAR LOZANO ALMAGUER</i>		

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)

Questions

1. List all the elements with: (3 points)
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Unidad Torreón

Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2016
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)

Questions

1. List all the elements with: (3 points)
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2. Beyond which atomic number the elements tend to become radioactive? (1 points)
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Unidad Torreón

Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2016
Exam / Homework	Homework 1: Introduction to semiconductors	Registration #	15149897
Professor's name	Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	<i>JULIO CÉSAR GARCÍA CASTILLO</i>		

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)

Questions

1. List all the elements with: (3 points)
 - (a) four valance electrons.
 - (b) three valance electrons.
 - (c) five valance electrons.
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3. What are the different allotropes of the carbon element? (3 points)
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Unidad Torreón

Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2016
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)

Questions

1. List all the elements with: (3 points)
 - (a) four valance electrons.
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Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2016
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)

Questions

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 - (a) four valance electrons.
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 - (c) five valance electrons.
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Unidad Torreón

Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2016
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)

Questions

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	27/01/2016
Exam / Homework	Homework 1: Introduction to semiconductors	Registration #	15153534
Professor's name	Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	<i>JOSÉ ANTONIO RINCÓN ACOSTA</i>		

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)

Questions

1. List all the elements with: (3 points)
 - (a) four valance electrons.
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Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2016
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)

Questions

1. List all the elements with: (3 points)
 - (a) four valance electrons.
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2. Beyond which atomic number the elements tend to become radioactive? (1 points)
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Unidad Torreón

Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2016
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)

Questions

1. List all the elements with: (3 points)
 - (a) four valance electrons.
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 - (c) five valance electrons.
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Unidad Torreón

Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2016
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)

Questions

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Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2016
Exam / Homework	Homework 1: Introduction to semiconductors	Registration #	13056433
Professor's name	Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	<i>DANIEL ALEJANDRO CARRILLO HERNÁNDEZ</i>		

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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Questions

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Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2016
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)
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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Questions

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Unidad Torreón

Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2016
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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Unidad Torreón

Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2016
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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Unidad Torreón

Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2016
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)
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Unidad Torreón

Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2016
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)
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Questions

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Unidad Torreón

Subject	Semiconductor physics	Group	4A
Degree	Electrical engineering	Date	27/01/2016
Exam / Homework	Homework 1: Introduction to semiconductors	Registration #	14317737
Professor's name	Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	<i>VANESA IRANÍ MORA MORENO</i>		

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)

Questions

1. List all the elements with: (3 points)
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