



Universidad Autónoma de Coahuila

Facultad de Ingeniería Mecánica y Eléctrica

Unidad Torreón

Subject	Digital control	Group	9A
Degree	Electrical engineering	Due for	07/09/2016
Exam / Homework	Homework 2: Z-Transform	Registration #	12127844
Professor's name	Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	JUAN MIGUEL BARRIENTOS GARCIA		

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 the A4 or 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. Define Z-transform. (2pt)
2. Find the Z-transform of the function $u(k) = \{9, 7, 7, 5, 3, 6, 7, 4, 7, 9, 0, 0, 0\}$. (4 points)
3. Find the Z-transform of the unit step function. (4 points)



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Unidad Torreón

Subject	Digital control	Group	9A
Degree	Electrical engineering	Due for	07/09/2016
Exam / Homework	Homework 2: Z-Transform	Registration #	12132791
Professor's name	Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	ISRAEL GONZALEZ		

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 the A4 or 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. Define Z-transform. (2pt)
2. Find the Z-transform of the function $u(k) = \{2, 3, 3, 9, 6, 4, 9, 2, 4, 2, 0, 0, 0\}$. (4 points)
3. Find the Z-transform of the unit step function. (4 points)



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Unidad Torreón

Subject	Digital control	Group	9A
Degree	Electrical engineering	Due for	07/09/2016
Exam / Homework	Homework 2: Z-Transform	Registration #	10062268
Professor's name	Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	<i>JULIO ALEJANDRO MARIN GARCIA</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 the A4 or 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. Define Z-transform. (2pt)
2. Find the Z-transform of the function $u(k) = \{7, 5, 2, 6, 6, 6, 7, 4, 5, 9, 0, 0, 0\}$. (4 points)
3. Find the Z-transform of the unit step function. (4 points)



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Unidad Torreón

Subject	Digital control	Group	9A
Degree	Electrical engineering	Due for	07/09/2016
Exam / Homework	Homework 2: Z-Transform	Registration #	98017052
Professor's name	Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	LUIZ EDUARDO		

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 the A4 or 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. Define Z-transform. (2pt)
2. Find the Z-transform of the function $u(k) = \{9, 8, 6, 8, 4, 6, 9, 5, 5, 5, 0, 0, 0\}$. (4 points)
3. Find the Z-transform of the unit step function. (4 points)



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Unidad Torreón

Subject	Digital control	Group	9A
Degree	Electrical engineering	Due for	07/09/2016
Exam / Homework	Homework 2: Z-Transform	Registration #	12125213
Professor's name	Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	EMMANUEL ALEJANDRO		

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 the A4 or 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. Define Z-transform. (2pt)
2. Find the Z-transform of the function $u(k) = \{5, 9, 6, 2, 3, 9, 4, 8, 7, 4, 0, 0, 0\}$. (4 points)
3. Find the Z-transform of the unit step function. (4 points)



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Unidad Torreón

Subject	Digital control	Group	9A
Degree	Electrical engineering	Due for	07/09/2016
Exam / Homework	Homework 2: Z-Transform	Registration #	12146394
Professor's name	Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	JOSELY ROSALES		

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 the A4 or 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. Define Z-transform. (2pt)
2. Find the Z-transform of the function $u(k) = \{4, 6, 6, 9, 7, 2, 9, 2, 3, 9, 0, 0, 0\}$. (4 points)
3. Find the Z-transform of the unit step function. (4 points)



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Subject	Digital control	Group	9A
Degree	Electrical engineering	Due for	07/09/2016
Exam / Homework	Homework 2: Z-Transform	Registration #	12146385
Professor's name	Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	RODRIGUEZ PEREZ RODOLFO		

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 the A4 or 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. Define Z-transform. (2pt)
2. Find the Z-transform of the function $u(k) = \{7, 5, 7, 9, 7, 7, 5, 6, 6, 5, 0, 0, 0\}$. (4 points)
3. Find the Z-transform of the unit step function. (4 points)



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Unidad Torreón

Subject	Digital control	Group	9A
Degree	Electrical engineering	Due for	07/09/2016
Exam / Homework	Homework 2: Z-Transform	Registration #	10056986
Professor's name	Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	ARTURO CORDERO ROBLES		

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 the A4 or 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. Define Z-transform. (2pt)
2. Find the Z-transform of the function $u(k) = \{9, 8, 7, 5, 5, 6, 4, 8, 9, 8, 0, 0, 0\}$. (4 points)
3. Find the Z-transform of the unit step function. (4 points)



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Subject	Digital control	Group	9A
Degree	Electrical engineering	Due for	07/09/2016
Exam / Homework	Homework 2: Z-Transform	Registration #	12157333
Professor's name	Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	<i>EDGAR RICARDO CHAIREZ VILLARRIAL</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 the A4 or 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. Define Z-transform. (2pt)
2. Find the Z-transform of the function $u(k) = \{5, 7, 9, 6, 6, 4, 7, 8, 7, 8, 0, 0, 0\}$. (4 points)
3. Find the Z-transform of the unit step function. (4 points)



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Subject	Digital control	Group	9A
Degree	Electrical engineering	Due for	07/09/2016
Exam / Homework	Homework 2: Z-Transform	Registration #	12142724
Professor's name	Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	<i>ALLISON DANIELA MACIAS HERNANDEZ</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 the A4 or 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. Define Z-transform. (2pt)
2. Find the Z-transform of the function $u(k) = \{6, 6, 8, 3, 2, 7, 3, 9, 8, 8, 0, 0, 0\}$. (4 points)
3. Find the Z-transform of the unit step function. (4 points)



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Unidad Torreón

Subject	Digital control	Group	9A
Degree	Electrical engineering	Due for	07/09/2016
Exam / Homework	Homework 2: Z-Transform	Registration #	10068360
Professor's name	Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	<i>KIM EDUARDO SANCHEZ REYES</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 the A4 or 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. Define Z-transform. (2pt)
2. Find the Z-transform of the function $u(k) = \{4, 4, 3, 5, 5, 5, 7, 9, 5, 9, 0, 0, 0\}$. (4 points)
3. Find the Z-transform of the unit step function. (4 points)



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Unidad Torreón

Subject	Digital control	Group	9A
Degree	Electrical engineering	Due for	07/09/2016
Exam / Homework	Homework 2: Z-Transform	Registration #	11288180
Professor's name	Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	JORGE ANTONIO MOLINA RAMIREZ		

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 the A4 or 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. Define Z-transform. (2pt)
2. Find the Z-transform of the function $u(k) = \{7, 5, 6, 2, 4, 7, 5, 8, 2, 3, 0, 0, 0\}$. (4 points)
3. Find the Z-transform of the unit step function. (4 points)



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Unidad Torreón

Subject	Digital control	Group	9A
Degree	Electrical engineering	Due for	07/09/2016
Exam / Homework	Homework 2: Z-Transform	Registration #	10053330
Professor's name	Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	JOSE FERNANDO AGUILAR COLORADO		

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 the A4 or 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. Define Z-transform. (2pt)
2. Find the Z-transform of the function $u(k) = \{9, 7, 6, 5, 3, 6, 5, 9, 4, 5, 0, 0, 0\}$. (4 points)
3. Find the Z-transform of the unit step function. (4 points)



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Unidad Torreón

Subject	Digital control	Group	9A
Degree	Electrical engineering	Due for	07/09/2016
Exam / Homework	Homework 2: Z-Transform	Registration #	10073388
Professor's name	Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	AXEL JAVIER RODRIGUEZ MARIN		

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 the A4 or 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. Define Z-transform. (2pt)
2. Find the Z-transform of the function $u(k) = \{6, 2, 9, 4, 4, 8, 9, 9, 7, 9, 0, 0, 0\}$. (4 points)
3. Find the Z-transform of the unit step function. (4 points)



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Unidad Torreón

Subject	Digital control	Group	9A
Degree	Electrical engineering	Due for	07/09/2016
Exam / Homework	Homework 2: Z-Transform	Registration #	6052185
Professor's name	Suresh Kumar Gadi	Marks Obtained	____ / 10
Student's name	ROGELIO CASTILLO 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 the A4 or 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. Define Z-transform. (2pt)
2. Find the Z-transform of the function $u(k) = \{3, 9, 9, 8, 2, 9, 9, 8, 7, 8, 0, 0, 0\}$. (4 points)
3. Find the Z-transform of the unit step function. (4 points)