Universidad Autónoma de Coahuila

Facultad de Ingeniería Mecánica y Eléctrica

Unidad Torreón

Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	***14137625***
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	_____ /10
Student's name	***JESUS EMMANUEL MORALES MENUIOLA***		

Instructions

1. 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. In the following RLC series circuit, $R = 40\,\Omega$, $L = 50\,\text{mH}$, $C = 2\,\mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

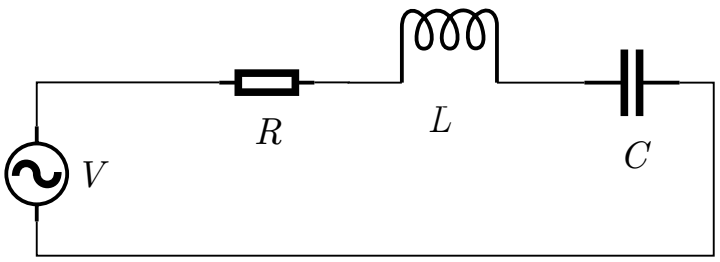

Figure 1

2. Find resonant frequency for the above circuit. (1 point)

Universidad Autónoma de Coahuila

Facultad de Ingeniería Mecánica y Eléctrica

Unidad Torreón

Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	***14121732***
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	_____ / 10
Student's name	***JOEL GERARDO AGUERO LLANAS***		

Instructions

1. 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. In the following RLC series circuit, $R = 50\,\Omega$, $L = 90\,\text{mH}$, $C = 6\,\mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

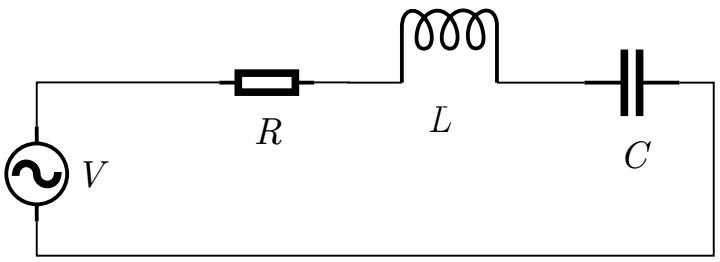

Figure 1

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Universidad Autónoma de Coahuila

Facultad de Ingeniería Mecánica y Eléctrica

Unidad Torreón

Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	***14124427***
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	_____ /10
Student's name	***JERSON CHAVEZ ORTIZ***		

Instructions

1. 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. In the following RLC series circuit, $R = 60\,\Omega$, $L = 30\,\text{mH}$, $C = 9\,\mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

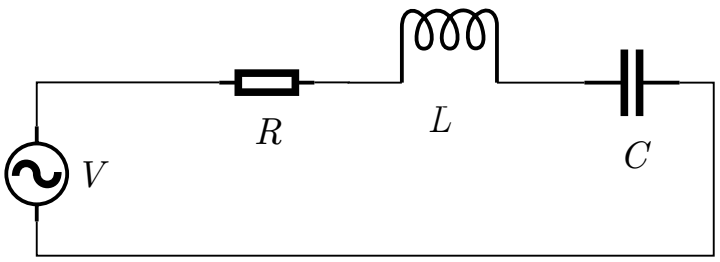

Figure 1

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Universidad Autónoma de Coahuila

Facultad de Ingeniería Mecánica y Eléctrica

Unidad Torreón

Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	***14156040***
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	_____ / 10
Student's name	***LUIS ANTNONIO FERNENDEZ CARRASCO***		

Instructions

1. 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. In the following RLC series circuit, $R = 80\,\Omega$, $L = 50\,\text{mH}$, $C = 4\,\mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

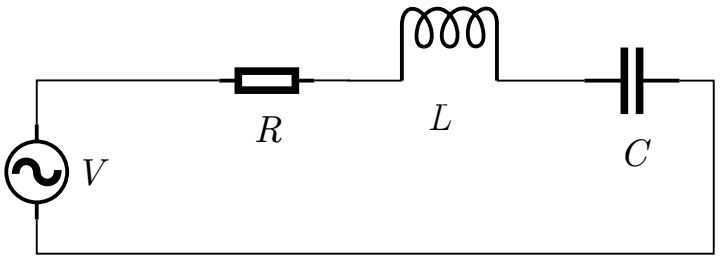

Figure 1

2. Find resonant frequency for the above circuit. (1 point)

Universidad Autónoma de Coahuila

Facultad de Ingeniería Mecánica y Eléctrica

Unidad Torreón

Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	***14156037***
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	_____ /10
Student's name	***MICHAEL MURILLO MENDEZ***		

Instructions

1. 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. In the following RLC series circuit, $R = 90\,\Omega$, $L = 60\,\text{mH}$, $C = 7\,\mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

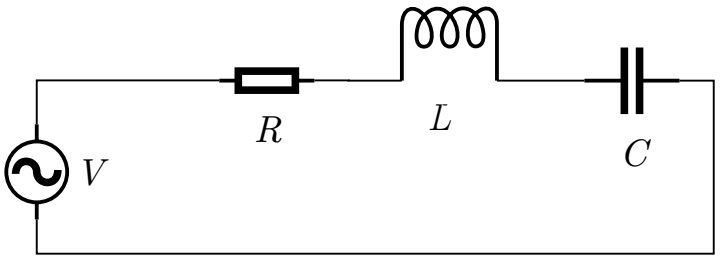

Figure 1

2. Find resonant frequency for the above circuit. (1 point)

Universidad Autónoma de Coahuila

Facultad de Ingeniería Mecánica y Eléctrica

Unidad Torreón

Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	***11073892***
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	_____ / 10
Student's name	***JOSUE AMADOR SIFUENTES***		

Instructions

1. 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. In the following RLC series circuit, $R = 90\,\Omega$, $L = 60\,\text{mH}$, $C = 5\,\mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

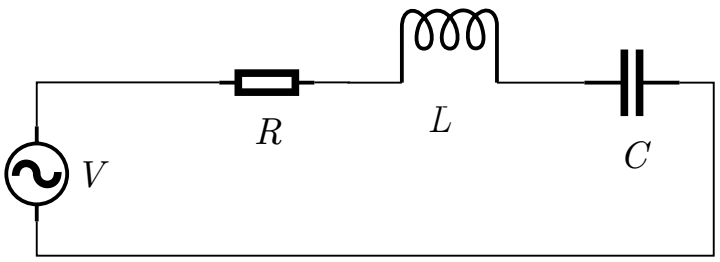

Figure 1

2. Find resonant frequency for the above circuit. (1 point)

Universidad Autónoma de Coahuila

Facultad de Ingeniería Mecánica y Eléctrica

Unidad Torreón

Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	***11268436***
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	_____ /10
Student's name	***EDUARDO ZALDIVAR MARTINEZ***		

Instructions

1. 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. In the following RLC series circuit, $R = 70\,\Omega$, $L = 20\,\text{mH}$, $C = 5\,\mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

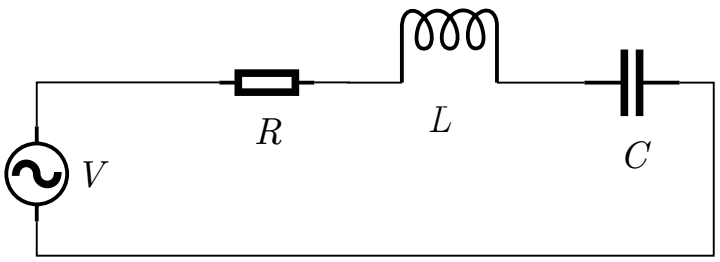

Figure 1

2. Find resonant frequency for the above circuit. (1 point)

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Facultad de Ingeniería Mecánica y Eléctrica

Unidad Torreón

Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	***14140390***
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	_____ /10
Student's name	***LUIS DAVID MARENTES REYES***		

Instructions

1. 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. In the following RLC series circuit, $R = 80\,\Omega$, $L = 70\,\text{mH}$, $C = 3\,\mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

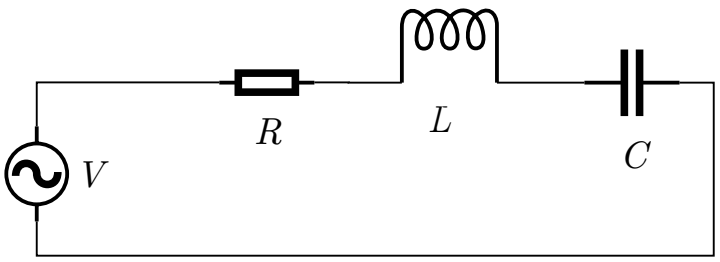

Figure 1

2. Find resonant frequency for the above circuit. (1 point)

Universidad Autónoma de Coahuila

Facultad de Ingeniería Mecánica y Eléctrica

Unidad Torreón

Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	***12068799***
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	_____ /10
Student's name	***JESUS ANTONIO ROBLESREYES***		

Instructions

1. 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. In the following RLC series circuit, $R = 50\,\Omega$, $L = 20\,\text{mH}$, $C = 3\,\mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

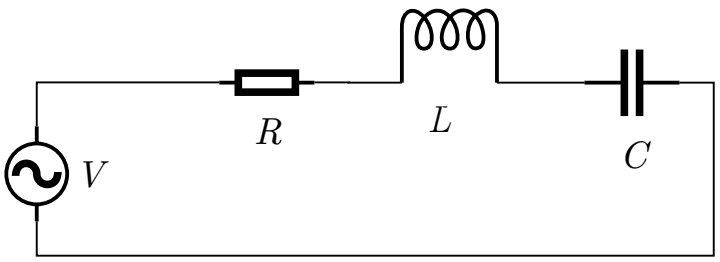

Figure 1

2. Find resonant frequency for the above circuit. (1 point)

Universidad Autónoma de Coahuila

Facultad de Ingeniería Mecánica y Eléctrica

Unidad Torreón

Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	***14150725***
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	_____ /10
Student's name	***LILIANA VERA GLZ***		

Instructions

1. 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. In the following RLC series circuit, $R = 30\,\Omega$, $L = 40\,\text{mH}$, $C = 6\,\mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

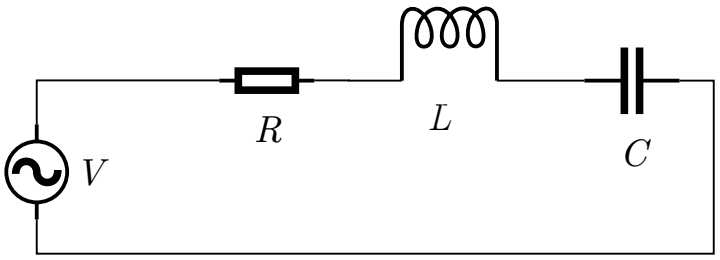

Figure 1

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Universidad Autónoma de Coahuila

Facultad de Ingeniería Mecánica y Eléctrica

Unidad Torreón

Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	***14125016***
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	_____ /10
Student's name	***DAVID OTHONIEL SALDIVAR PEREZ***		

Instructions

1. 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. In the following RLC series circuit, $R = 30\,\Omega$, $L = 60\,\text{mH}$, $C = 9\,\mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

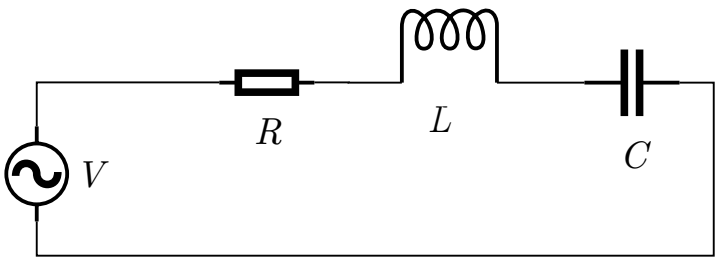

Figure 1

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Universidad Autónoma de Coahuila

Facultad de Ingeniería Mecánica y Eléctrica

Unidad Torreón

Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	***1205596***
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	_____ /10
Student's name	***ALBERTO VAZQUEZ MEDINA***		

Instructions

1. 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. In the following RLC series circuit, $R = 50\,\Omega$, $L = 70\,\text{mH}$, $C = 7\,\mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

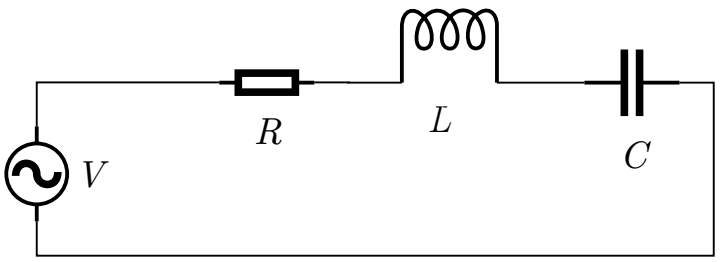

Figure 1

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Universidad Autónoma de Coahuila

Facultad de Ingeniería Mecánica y Eléctrica

Unidad Torreón

Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	***12666518***
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	_____ /10
Student's name	***SAMUEL ROSAS GONZALEZ***		

Instructions

1. 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. In the following RLC series circuit, $R = 50\,\Omega$, $L = 70\,\text{mH}$, $C = 9\,\mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

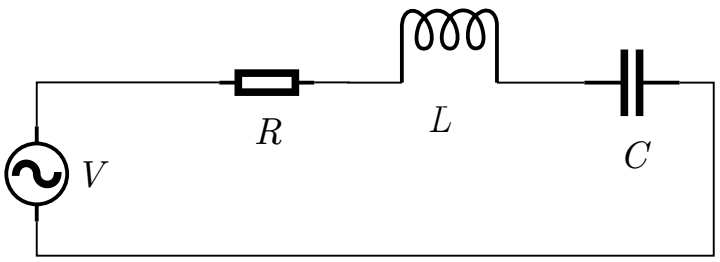

Figure 1

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Universidad Autónoma de Coahuila

Facultad de Ingeniería Mecánica y Eléctrica

Unidad Torreón

Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	***12064655***
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	_____ /10
Student's name	***EDSON ORLANDONAVARRO RAMIREZ***		

Instructions

1. 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. In the following RLC series circuit, $R = 70\,\Omega$, $L = 90\,\text{mH}$, $C = 6\,\mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

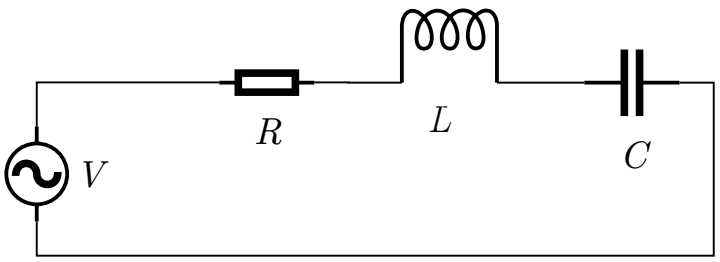

Figure 1

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Universidad Autónoma de Coahuila

Facultad de Ingeniería Mecánica y Eléctrica

Unidad Torreón

Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	***11126870***
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	_____ /10
Student's name	***JUAN GAEL GONZALEZ RODRIGUEZ***		

Instructions

1. 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. In the following RLC series circuit, $R = 60\,\Omega$, $L = 80\,\text{mH}$, $C = 8\,\mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

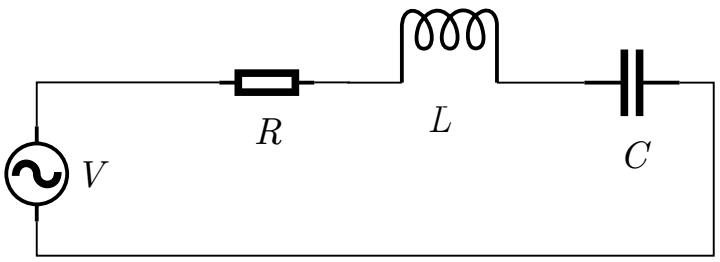

Figure 1

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Universidad Autónoma de Coahuila

Facultad de Ingeniería Mecánica y Eléctrica

Unidad Torreón

Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	***14155580***
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	_____ /10
Student's name	***LUIS ALEJANDRO URBINA GONZALEZ***		

Instructions

1. 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. In the following RLC series circuit, $R = 60\,\Omega$, $L = 20\,\text{mH}$, $C = 4\,\mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

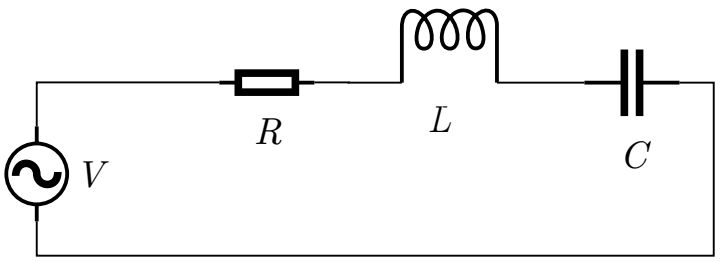

Figure 1

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Universidad Autónoma de Coahuila

Facultad de Ingeniería Mecánica y Eléctrica

Unidad Torreón

Subject	Circuit analysis II	Group	5A
Degree	Electrical engineering	Date	11/11/2016
Exam / Homework	Exam 2 (Max time: One hour)	Registration #	***14629184***
Professor's name	Dr. Suresh Kumar Gadi	Marks Obtained	_____ / 10
Student's name	***JOSE WALDO QUINTANA ARANDA***		

Instructions

1. 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. In the following RLC series circuit, $R = 50\,\Omega$, $L = 30\,\text{mH}$, $C = 5\,\mu\text{F}$ and $V = \text{heaviside}(t)$ (Unit step). Plot voltage across the each element and the circuit current. (10 point)

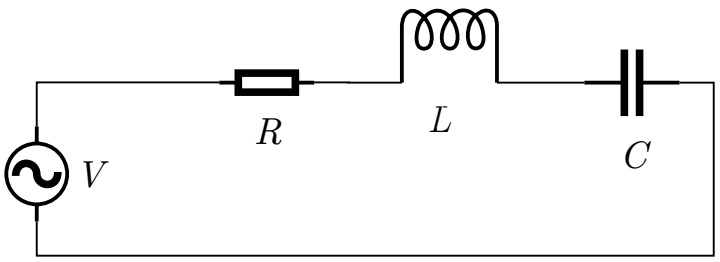

Figure 1

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