Universidad Autónoma de Coahuila
Facultad de Ingeniería Mecánica y Eléctrica
Unidad Torreón

Subject	Industrial electronics	Group	9B
Degree	Mechanical engineering	Date	16/03/2017
Exam / Homework	Homework 4: Switched-mode power supply (SMPS)	Registration #	*12717949*
Professor's name	Suresh Kumar Gadi	Marks Obtained	_____ / 10
Student's name	***JUAN CARLOS BARRIENTOS GUERRA***		

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. Simulate the following circuits. Present circuit diagram and output waveform.

   (a) Buck converter (2.5 points)

   (b) Boost converter (2.5 points)

   (c) Buck–boost converter (2.5 points)

   (d) Ćuk converter (2.5 points)

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Subject	Industrial electronics	Group	9B
Degree	Mechanical engineering	Date	16/03/2017
Exam / Homework	Homework 4: Switched-mode power supply (SMPS)	Registration #	*8062187*
Professor's name	Suresh Kumar Gadi	Marks Obtained	_____ /10
Student's name	***PÉREZ-FIGUEROA MAEDA CARLOS ARTURO***		

Instructions

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Subject	Industrial electronics	Group	9B
Degree	Mechanical engineering	Date	16/03/2017
Exam / Homework	Homework 4: Switched-mode power supply (SMPS)	Registration #	*12112592*
Professor's name	Suresh Kumar Gadi	Marks Obtained	_____ / 10
Student's name	*ROGELIO FLORES SALAZAR*		

Instructions

1. The student should submit the homework on or before the due date. (LATE SUBMISSION = 0 MARKS)

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Subject	Industrial electronics	Group	9B
Degree	Mechanical engineering	Date	16/03/2017
Exam / Homework	Homework 4: Switched-mode power supply (SMPS)	Registration #	*12122623*
Professor's name	Suresh Kumar Gadi	Marks Obtained	_____ /10
Student's name	*RAÚL ALEXANDRO ARELLANO SALCIDO*		

Instructions

1. The student should submit the homework on or before the due date. (LATE SUBMISSION = 0 MARKS)

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