# Lab Control Theory 2 (ET) Lab03 (WS 2022/23): Solution

(1)

1.	The	solution is the following:
	(a)	Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua $\boxed{1P}$ . At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $\boxed{2P}$
	(b)	Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr $\boxed{1P.}$ , sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. $\boxed{2P.}$ $\Sigma$ : $3P.$
	(c)	At vero eos et accusam et justo duo dolores et ea rebum $3P$ . Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $2P$ $\Sigma$ : $5P$ .
		Σ 11 P.
2.	The	solution is the following:
	(a)	Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua $\boxed{1P}$ . At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $\boxed{2P}$
	(b)	Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr $\boxed{1P.}$ , sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. $\boxed{2P.}$ $\Sigma$ : $3P.$
	(c)	At vero eos et accusam et justo duo dolores et ea rebum $\fbox{3P.}$ . Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $\fbox{2P.}$ $\Sigma$ : $5P.$
		Σ 11 P.
3.	The	solution is the following:
	(a)	Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua $\boxed{1P.}$ . At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $\boxed{2P.}$ $\Sigma$ : $3P.$
	(b)	Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr 1P., sed diam nonumy eirmod

 $\Sigma$ : 3 P.

tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. 2P.

(c)	At vero eos et accusam et justo duo dolores et ea rebum 3	3 P.	. Stet clita kasd gubergren,
	no sea takimata sanctus est Lorem ipsum dolor sit amet.	. <b>2</b> P	. Σ: 5 P.
			V 11 D

Total Points: 33 P.

# Lab Control Theory 2 (ET) Lab03 (WS 2022/23): Solution

(2)

1.	The	solution is the following:
	(a)	Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempos invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua $\boxed{1P.}$ . At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $\boxed{2P.}$
	(b)	Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr $\boxed{1P}$ , sed diam nonumy eirmor tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. $\boxed{2P}$ . $\Sigma$ : $3P$ .
	(c)	At vero eos et accusam et justo duo dolores et ea rebum $\fbox{3 P.}$ . Stet clita kasd gubergren no sea takimata sanctus est Lorem ipsum dolor sit amet. $\fbox{2 P.}$ $\Sigma$ : $5$ P
		Σ 11 P
2.	The	solution is the following:
	(a)	Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempos invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua 1P. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. 2P
	(b)	Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr 1P., sed diam nonumy eirmoc tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. 2P. $\Sigma$ : 3 P.
	(c)	At vero eos et accusam et justo duo dolores et ea rebum $3P$ . Stet clita kasd gubergren no sea takimata sanctus est Lorem ipsum dolor sit amet. $2P$
		<u>Σ</u> 11 P
3.	The	solution is the following:
	(a)	Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua 1P. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. 2P
	(b)	Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem

tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. 2P.

, sed diam nonumy eirmod

ipsum dolor sit amet, consetetur sadipscing elitr 1P.

 $\Sigma$ : 3 P.

(c)	At vero eos et accusam et justo duo dolores et ea rebum 3	3 P.	. Stet clita kasd gubergren,
	no sea takimata sanctus est Lorem ipsum dolor sit amet.	. <b>2</b> P	. Σ: 5 P.
			V 11 D

Total Points: 33 P.

# Lab Control Theory 2 (ET) Lab08 (WS 2022/23): Solution

(1)

1.	The	solution is the following:
	(a)	Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua 1P. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. 2P
	(b)	Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr $\boxed{1P.}$ , sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. $\boxed{2P.}$ $\Sigma$ : $3P.$
	(c)	At vero eos et accusam et justo duo dolores et ea rebum $\fbox{3P.}$ . Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $\fbox{2P.}$ $\Sigma$ : $5P.$
		<u>Σ</u> 11 P.
2.	The	solution is the following:
	(a)	Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua 1P. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. 2P
	(b)	Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr $\boxed{1 \text{ P.}}$ , sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. $\boxed{2 \text{ P.}}$ $\Sigma$ : $3 \text{ P.}$
	(c)	At vero eos et accusam et justo duo dolores et ea rebum $\fbox{3P.}$ . Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $\fbox{2P.}$ $\Sigma$ : $5P.$
		<u>Σ</u> 11 P.
3.	The	solution is the following:
	(a)	Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua 1P. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. 2P
	(b)	Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem

tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. 2P.

, sed diam nonumy eirmod

ipsum dolor sit amet, consetetur sadipscing elitr 1P.

 $\Sigma$ : 3 P.

	(c)	At vero eos et accusam et justo duo dolores et ea rebum $3P$ . Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $2P$
		Σ 11 P.
Į.	The	solution is the following:
	(a)	Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua $\boxed{1P}$ . At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $\boxed{2P}$ .
	(b)	Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr $\boxed{1P}$ , sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. $\boxed{2P}$ . $\Sigma$ : $3P$ .
	(c)	At vero eos et accusam et justo duo dolores et ea rebum $\fbox{3P.}$ . Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $\fbox{2P.}$ $\Sigma$ : $5P.$
		Σ 11 P.
		Total Points: 44 P.

# Lab Control Theory 2 (ET) Lab08 (WS 2022/23): Solution

(2)

1.	The	solution is the following:
	(a)	Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua $\boxed{1P}$ . At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $\boxed{2P}$ .
	(b)	Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr $\boxed{1P.}$ , sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. $\boxed{2P.}$ $\Sigma$ : $3P.$
	(c)	At vero eos et accusam et justo duo dolores et ea rebum $3P$ . Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $2P$
		Σ 11 P.
2.	The	solution is the following:
	(a)	Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua $\boxed{1 \text{ P.}}$ . At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $\boxed{2 \text{ P.}}$
	(b)	Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr $\boxed{1P}$ , sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. $\boxed{2P}$ . $\Sigma$ : $3P$ .
	(c)	At vero eos et accusam et justo duo dolores et ea rebum $\fbox{3P.}$ . Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $\fbox{2P.}$ $\Sigma$ : $5P.$
		Σ 11 P.
3.	The	solution is the following:
	(a)	Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua $\boxed{1P.}$ . At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $\boxed{2P.}$ $\Sigma$ : $3P.$
	(b)	Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr 1P., sed diam nonumy eirmod

 $\Sigma$ : 3 P.

tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. 2P.

	(c)	At vero eos et accusam et justo duo dolores et ea rebum $3P$ . Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $2P$
		Σ 11 P.
Į.	The	solution is the following:
	(a)	Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua $\boxed{1P}$ . At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $\boxed{2P}$ .
	(b)	Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr $\boxed{1P}$ , sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. $\boxed{2P}$ . $\Sigma$ : $3P$ .
	(c)	At vero eos et accusam et justo duo dolores et ea rebum $\fbox{3P.}$ . Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $\fbox{2P.}$ $\Sigma$ : $5P.$
		Σ 11 P.
		Total Points: 44 P.

# Lab Control Theory 2 (ET) Lab15 (WS 2022/23): Solution

(1)

1.	The	solution is the following:
	(a)	Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua $\boxed{1P}$ . At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $\boxed{2P}$ .
	(b)	Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr $\boxed{1P.}$ , sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. $\boxed{2P.}$ $\Sigma$ : $3P.$
	(c)	At vero eos et accusam et justo duo dolores et ea rebum $3P$ . Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $2P$
		Σ 11 P.
2.	The	solution is the following:
	(a)	Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua $\boxed{1 \text{ P.}}$ . At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $\boxed{2 \text{ P.}}$
	(b)	Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr $\boxed{1P}$ , sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. $\boxed{2P}$ . $\Sigma$ : $3P$ .
	(c)	At vero eos et accusam et justo duo dolores et ea rebum $\fbox{3P.}$ . Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $\fbox{2P.}$ $\Sigma$ : $5P.$
		Σ 11 P.
3.	The	solution is the following:
	(a)	Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua $\boxed{1P.}$ . At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $\boxed{2P.}$ $\Sigma$ : $3P.$
	(b)	Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr 1P., sed diam nonumy eirmod

 $\Sigma$ : 3 P.

tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. 2P.

	(c)	At vero eos et accusam et justo duo dolores et ea rebum $3P$ . Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $2P$
		Σ 11 P.
Į.	The	solution is the following:
	(a)	Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua $\boxed{1P}$ . At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $\boxed{2P}$ .
	(b)	Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr $\boxed{1P}$ , sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. $\boxed{2P}$ . $\Sigma$ : $3P$ .
	(c)	At vero eos et accusam et justo duo dolores et ea rebum $\fbox{3P.}$ . Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $\fbox{2P.}$ $\Sigma$ : $5P.$
		Σ 11 P.
		Total Points: 44 P.

# Lab Control Theory 2 (ET) Lab15 (WS 2022/23): Solution

(2)

1.	The	solution is the following:
	(a)	Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempos invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua $\boxed{1P.}$ . At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $\boxed{2P.}$
	(b)	Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr $\boxed{1P}$ , sed diam nonumy eirmor tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. $\boxed{2P}$ . $\Sigma$ : $3P$ .
	(c)	At vero eos et accusam et justo duo dolores et ea rebum $\fbox{3 P.}$ . Stet clita kasd gubergren no sea takimata sanctus est Lorem ipsum dolor sit amet. $\fbox{2 P.}$ $\Sigma$ : $5$ P
		Σ 11 P
2.	The	solution is the following:
	(a)	Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempos invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua 1P. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. 2P
	(b)	Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr 1P., sed diam nonumy eirmoc tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. 2P. $\Sigma$ : 3 P.
	(c)	At vero eos et accusam et justo duo dolores et ea rebum $3P$ . Stet clita kasd gubergren no sea takimata sanctus est Lorem ipsum dolor sit amet. $2P$
		<u>Σ</u> 11 P
3.	The	solution is the following:
	(a)	Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua 1P. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. 2P
	(b)	Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem

tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. 2P.

, sed diam nonumy eirmod

ipsum dolor sit amet, consetetur sadipscing elitr 1P.

 $\Sigma$ : 3 P.

	(c)	At vero eos et accusam et justo duo dolores et ea rebum $3P$ . Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $2P$
		Σ 11 P.
Į.	The	solution is the following:
	(a)	Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua $\boxed{1P}$ . At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $\boxed{2P}$ .
	(b)	Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr $\boxed{1P}$ , sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. $\boxed{2P}$ . $\Sigma$ : $3P$ .
	(c)	At vero eos et accusam et justo duo dolores et ea rebum $\fbox{3P.}$ . Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. $\fbox{2P.}$ $\Sigma$ : $5P.$
		Σ 11 P.
		Total Points: 44 P.