

ELEKTROTEHNIČKI FAKULTET U BEOGRADU
KATEDRA ZA ELEKTRONIKU

ENERGETSKA ELEKTRONIKA
LABORATORIJSKE VEŽBE

VEŽBA BROJ 3:
FLYBACK KONVERTOR

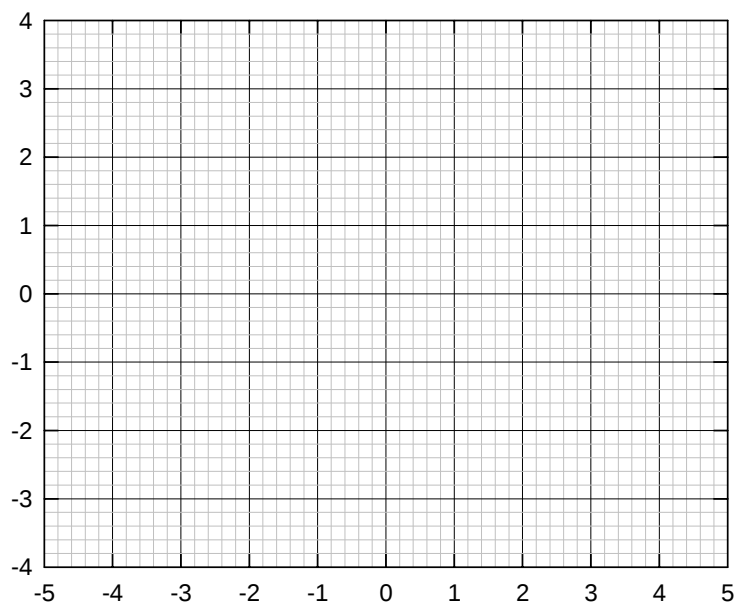
IME I PREZIME	BR. INDEKSA	GRUPA	OCENA
1.			
2.			

DATUM _____

VREME _____

DEŽURNI U LABORATORIJ_____

D.1.



Slika 3.2. Napon na drejnu, bez snabera, transformator A

podela naponske ose _____

podela vremenske ose _____

$V_{D\max} = \text{_____ V}$

D.2.

Tablela 3.1. J1, A

I_{OUT} [A]	V_{OUT} [V]	I_{IN} [A]	V_{IN} [V]	P_{OUT} [W]	P_{IN} [W]	η [%]	$V_{D\max}$ [V]	<i>mode</i>

D.3.

Tablela 3.2. J2, A

I_{OUT} [A]	V_{OUT} [V]	I_{IN} [A]	V_{IN} [V]	P_{OUT} [W]	P_{IN} [W]	η [%]	$V_{D\max}$ [V]	<i>mode</i>

D.4.**Tablela 3.3. J3, A**

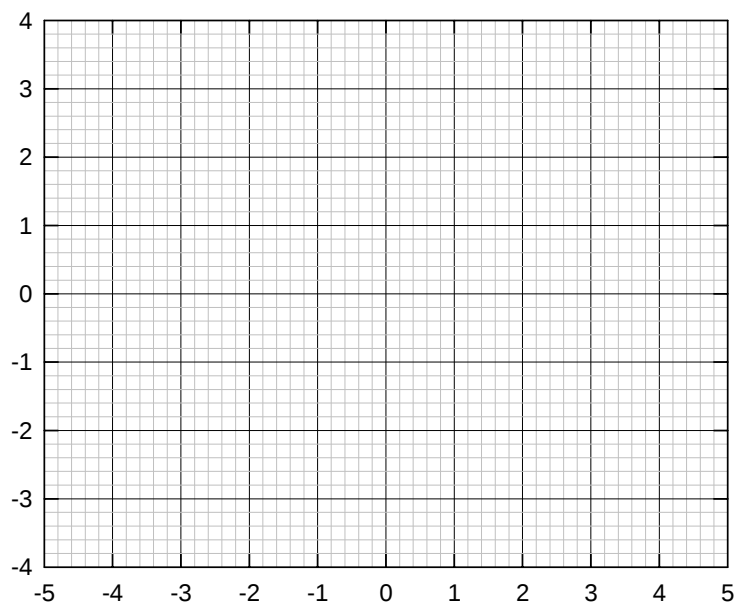
I_{OUT} [A]	V_{OUT} [V]	I_{IN} [A]	V_{IN} [V]	P_{OUT} [W]	P_{IN} [W]	η [%]	$V_{D\max}$ [V]	<i>mode</i>

D.5.**Tablela 3.4. J4, A**

I_{OUT} [A]	V_{OUT} [V]	I_{IN} [A]	V_{IN} [V]	P_{OUT} [W]	P_{IN} [W]	η [%]	$V_{D\max}$ [V]	<i>mode</i>

D.6.**Tablela 3.5. J5, A**

I_{OUT} [A]	V_{OUT} [V]	I_{IN} [A]	V_{IN} [V]	P_{OUT} [W]	P_{IN} [W]	η [%]	$V_{D\max}$ [V]	<i>mode</i>

D.7.**Slika 3.3.** Napon na drejnu, bez snabera, transformator B

podela naponske ose _____

podela vremenske ose _____

$$V_{D\max} = \text{_____ V}$$

D.8.**Tablela 3.6.** J1, B

I_{OUT} [A]	V_{OUT} [V]	I_{IN} [A]	V_{IN} [V]	P_{OUT} [W]	P_{IN} [W]	η [%]	$V_{D\max}$ [V]	<i>mode</i>

D.9.**Tablela 3.7.** J2, B

I_{OUT} [A]	V_{OUT} [V]	I_{IN} [A]	V_{IN} [V]	P_{OUT} [W]	P_{IN} [W]	η [%]	$V_{D\max}$ [V]	<i>mode</i>

D.10.**Tabela 3.8. J3, B**

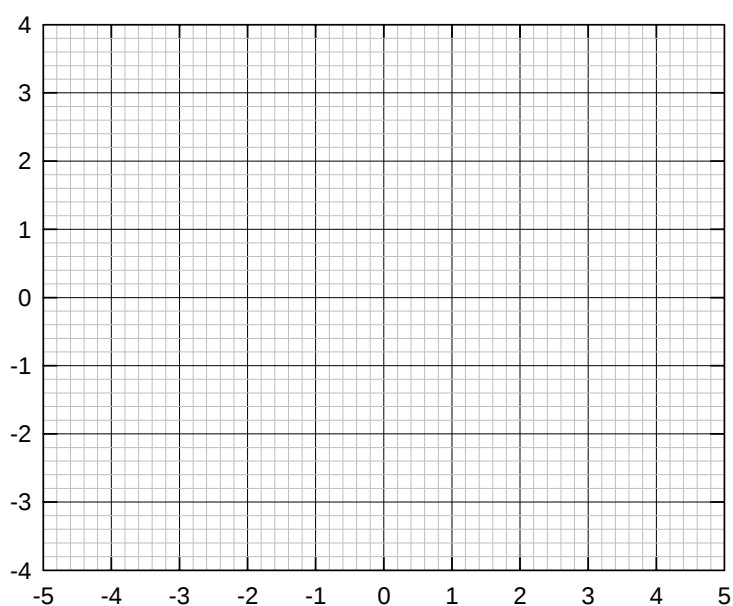
I_{OUT} [A]	V_{OUT} [V]	I_{IN} [A]	V_{IN} [V]	P_{OUT} [W]	P_{IN} [W]	η [%]	$V_{D\max}$ [V]	<i>mode</i>

D.11.**Tabela 3.9. J4, B**

I_{OUT} [A]	V_{OUT} [V]	I_{IN} [A]	V_{IN} [V]	P_{OUT} [W]	P_{IN} [W]	η [%]	$V_{D\max}$ [V]	<i>mode</i>

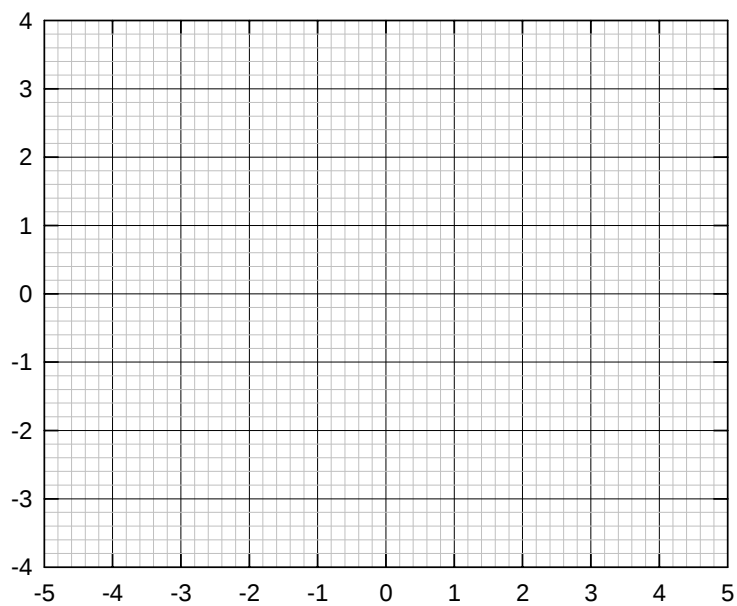
D.12.**Tabela 3.10. J5, B**

I_{OUT} [A]	V_{OUT} [V]	I_{IN} [A]	V_{IN} [V]	P_{OUT} [W]	P_{IN} [W]	η [%]	$V_{D\max}$ [V]	<i>mode</i>

D.13.**Slika 3.4. i_s**

podela strujne ose _____, $R_s = 330 \text{ m}\Omega$

podela vremenske ose _____

D.14.**Slika 3.5.** Napon na diodi D

podela naponske ose _____

podela vremenske ose _____

a) $V_D =$ _____ Vb) $R_D =$ _____ Ω **D.15.****Tabela 3.11.** Maksimalan inverzni napon na diodi D

I_{OUT} [mA]	J1	J2	J3	J4	J5
100					
200					
300					
400					
500					