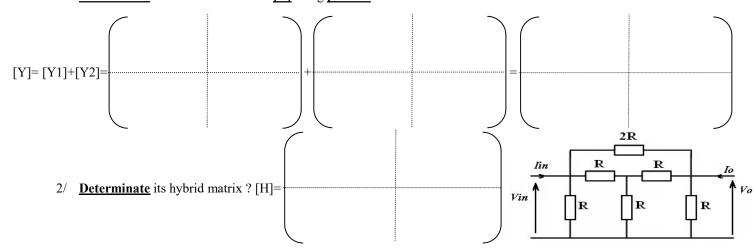
A Faríd KADRI Fundamental electronícs 1

الاسم:	Exam	(1h:30min)		
اللقب:الفوج:الفوج:	Fundament	al Electronics 1	R3 E1 ↑	
5 _{pts} , <u>Exercise 1</u> : Lets consider the opposite circuit: Select one method to determinate the output voltage? Choose from: (Superposition, Thevenin, or Milman)				
		<i>777</i> -		

5pts. Exercise 2:

Lets consider the opposite quadrupole circuit:

1/ <u>Determinate</u> the admittance matrix [Y] using <u>parallel</u> association?



5 _{pts} . <u>Exercise</u> 3: Lets consider the opposite circu 1/ Remove the diode, then <u>determinate</u> the dropping v 2/ <u>Determinate</u> the <u>current</u> flowing R ₃ , for R ₁ =R ₂ = R 3/ <u>Determinate</u> the <u>current</u> flowing R ₃ , if we reverse	Voltage V1? $_{3}$ =500 Ω , E=10v, η =20mA?

الاسم:	V _{cc}
اللقب:	ЏRъ Џ R _C
الشعبة:الفوج:	C ₁ C ₂ 1
\mathcal{S}_{pts} . <u>Exercise 4:</u> Lets consider the opposite amp	lifier circuit:
$1/\frac{\textbf{Determinate}}{1}$ the base resistor $\mathbf{R_b}$ to have the opera	
midpoint (middle) of the static charge.	Pa
Considering the equivalent AC circuit below: 2/ <u>Find</u> the voltage gain G _v and the input impedance Z	Z _{in} ?
	eg Vin RE h11 RC RL
