



All questions must be answered:

Q1	Write short note on the following:	
	a. Luminescence immunoassay.	4
	b. Sandwich technique	5
Q2	Discuss the following:	
	a. Role of the lab in diagnosis of gestational diabetes mellitus.	4
	b. Clinical significance of alkaline phosphatase enzyme and its isoenzymes.	4
	c. Hyperkalemia (Definition, Clinical significance, Method of determination).	3
Q3	Give an account on:	
	a. Laboratory difference between acute tubular necrosis and pre-renal failure.	4
	b. Neonatal jaundice.	4
	c. Lab findings of Cushing syndrome.	3
Q4	Mention:	
	a. Definition and clinical significance of microalbumiuria.	3
	b. Principle, advantages and disadvantages of real time PCR.	3
	c. Laboratory diagnosis of meningitis.	3

The practical exam will be on 22-23-24 /4/2017

The oral exam will be on 26/4/2017

Prof. Ekhlas Elsheikh
Prof. Amal Helmy
Prof. Amal Elbendary
Prof. Hala Nagy

Department Chairmen

Prof. Desouky Abou Ammo



All questions must be answered:

Q 1	Discuss mechanisms of leukomogenesis.	15
Q2	Give a short account on biphenotypic and mixed leukemias.	15
Q3	Compare between laboratory features of myeloproliferative neoplasms.	15
Q4	Write on laboratory diagnosis of deep vein thrombosis.	15
Q5	Mention clinical value of: a) Haemoglobin electrophoresis. b) Prussian blue stain.	15 10
Q6	Mention causes and laboratory diagnosis of megaloblastic anaemias.	15

Good Luck

Prof Fatma Ghaith

Prof. Mohammed Zahra

Prof Nahed Elwan

Prof Heba Morad

Department Chairman

Prof Desoky Aboamou

الامتحان العملي يوم 18 و19 و20/4/2017