
 University of Sadat City	Final Exam:	مناقشات	Course Code:		Percentage	%80	 GEBRI
	Academic Year:	2019\2018	Academic Program:	Master	N. of Exam Paper	One	
	Level:	First	Department:	Mol. Biol. Dep.			
	Course Name:	مناقشات	Total score:		Time allowed:	3 ساعات	

### Instructions of Exam:

1. Answer the obligatory questions.
2. Use the blue pen and pencil in answer sheet
3. Allow one sheet answer for every student
4. Is not allowed to borrow the tools (pen, pencils, drawing tools, calculator ...etc)
5. Is not allowed to use the cell phone or any of its application during the time of exam

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1st question: (25 marks)

Write short notes on the history of Cancer Stem Cells (CSCs)

2<sup>nd</sup> question: (25 marks)

Describe the link between Cancer Stem Cells and hepatocellular carcinoma

3<sup>rd</sup> question: (30 marks)

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Describe the role of chemokines in the biology of Cancer Stem Cells

With best wishes

Professor of Course	د. محمد علي	Course coordinator	د. محمد علي
Staff Course	د. محمد علي	Department Head	د. محمد علي
Exam group	(Three members accredited by the institute committee)		

نموذج رقم: SQ0000000F101002  
الإصدار (0/2) 2018/01/14