
	Final Exam:	January	Course Code:	B4-28	Percentage of Degree%:	60 %	
	Academic Year:	2018/2019	Program Name:	Master of Science	The number of exam bulletin:	1	
	Semester:	1 st	Department:	Applied courses	Date of Exam:	/1 /2018	
	Course title:	Seminars	Degree	60	Time of Exam:	3 hours	

Exam instructions:

1. Answer questions only prescribed others will not be considered excess to questions.
2. Use only blue pen and pencil on answer sheet.
3. Disposal of paper and one for each student.
4. Trading instruments is not allowed (pens, ruler, calculators, etc.).
5. Mobiles, smart phones, taps, and calculator application on mobile phone are not allowed.

Answer the following Questions:

First question

Total score (20)

- 1- "The CO1 gene can be used to identify individuals belonging to the same species, as well as to distinguish between individuals from different species." comment and explain by giving examples and succeed application?
- 2- Clarify by which mechanism the Cytochrom c oxidase could perform its job to power the molecular pump?
- 3- Discuss the evidence of the symbiotic relationship between bacteria and living cell?

----- Best wishes -----

Course Professor:	Prof. Dr. Omaila Khamiss	Course Coordinator:	Prof. Dr. Omaila Khamiss
Examiners:	Prof. Dr. Omaila Khamiss Assoc.Prof. Dr. Medhat Hashem	Head of Department:	Prof. Dr. Omaila Khamiss
Examination committee:	Prof. Dr. Omaila Khamiss Prof. Dr. Bahgat Alfeky Assoc.Prof. Dr. Medhat Hashem		