
	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 <sup>st</sup>	Department:	Compulsory course	Date of Exam:	20/1 /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- How could you characterize the expression of Hepatitis B Virus Surface antigen polypeptides in insect cells with a Baculovirus Expression System?

**Second question**

**Total score (20)**

- 1-Explain the factors which must be taken into consideration with regard to the level of HBV expression in HBV baculovirus infected HepG2 cells ?

**Third question**

**Total score (20)**

- 1-Define and classify the human HBV and mention its importance?

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

Course Professor:	Prof. Dr. Omaina Khamiss	Course Coordinator:	Prof. Dr. Omaina Khamiss
Examiners:	Prof. Dr. Omaina Khamiss Dr. Yaser Bastawy	Head of Department:	Prof. Dr. Omaina Khamiss
Examination committee:	Prof. Dr. Omaina Khamiss Dr. Yaser Bastawy Assoc.Prof. Dr. roba Talaat		