

University of Al-Qadisyah  
College of biotechnology  
Dept. Medical Biotechnology



Exam: Virology  
Stage: Third  
Time: Two hours

Final examination of the second semester 2016-2017

**Q I/ Define five of the following terms (Five only) :** (10 marks)

- 1- Nucleoside analogues
- 2- Oncogenic viruses
- 3- Viremia
- 4- Reverse transcriptase
- 5- Capsid
- 6- Interferon

**QII/ what is the relationship of two the following components:** (10 marks)

- 1- Virus nucleic acid type and taxonomy
- 2- Virus envelop and pathogenicity
- 3- Retroviridae and antigenic shift and drift

**Q III/ COMPARE BETWEEN TWO OF THE FOLLOWING:** (10 marks)

- 1- Orthomyxovirus and Paramyxovirus
- 2- Herpesvirus and Poxvirus
- 3- Haemoagglutinin and Neuramindase

**Q IV/ DRAW THE FOLLOWING ?** (10 marks)

- 1- Viral replication strategies
- 2- Role of interferon in viral infections

**Good Luck**

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