Kingdom of Saudia Arabia

Ministry of Higher Education

King Saud University

College of Applied Studies and Community Service

Health Sciences Program

المملكة العربية السعودية

وزارة التعليم العالي

جامعة الملك سعود

كلية الدراسات التطبيقية وخدمة المجتمع

فسم العلوم الصحية

**Virology First Assessment Exam**

**Answer by put (T) after the correct sentence and (F) after the wrong sentence :**

1. Viruses are Unique life forms different from all other living organisms. ( T )
2. All viruses have nucleocapsids and therefore contain nucleic acids and proteins. (T )
3. Viruses cannot infect cells and replicate without causing the death of their host cells. ( F )
4. Expensive equipment is one of Electron Microscopy problems. ( T )
5. The sensitivity of EM may be enhanced by immune electron microscopy. ( T )
6. Cell culture is often very high sensitivity. ( F )
7. RIA is less used than other serological tests. ( T )
8. Patients given blood may give a false positive result. ( T )
9. faces specimens do not need to send to the virology laboratory in a cold box. ( F )
10. Viruses are able to survive in temperature over 50 °c. ( F )

**Choose the suitable word to complete the following sentence :**

1. Viruses can function and multiply ………….. another living organism.
* **Only inside - outside and inside - only outside**
1. Complex capsid is usually described as ………….. .
* **Spherical - helical - brick-shaped**
1. The capsid consists identical units called …………. .
* **Genome - capsomers - masses**
1. Growing viruses may produce …….…… such as the ballooning of cells.
* **Cytopathic effect - toxic substances - bacterial infection**
1. ………. is widely used and often available as kits .
* **Neutralization - Complement test - ELISA**
1. Both ELISA and RIA can be made more sensitive by " capturing" patient's ………… .
* **IgM -IgG -IgA**
1. There are viruses produce clinical disease months or years , such as ……….. .
* **Rubella - HIV - Influenza**
1. For investigating newborn infant with congenital defects , …………… sample is required.
* **Single - paired - five**
1. For ………………. , specimen is collecting by passing a sterile cotton wool swap through the floor of the nasal cavity.
* **Cerebrospinal fluid - rectal swab - nasopharyngeal secretions**
1. Specimens such as ………. are generally unsuitable for viruses isolation .
* **Blood - urine - skin**

**☺BOUNCE QUESTIONS :**

# Name the diagnostic methods in virology ??

1. Direct examination .

2. Indirect examination.

3. Serology.

# What should the labeling of specimens be including??

1. Patient's name and number

2. Hospital or health center.

3. Date or time of collection.

**مع تمنياتي لكم بالتوفيق**

**GOOD LUCK**