

Kingdom of Saudia Arabia

Ministry of Higher Education

King Saud University

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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**