# Topic 6 answers

**Question 1**

Which one of the following is NOT true concerning the advantages of polymerase chain reaction (PCR) technique used in the detection of HIV nucleic acid material?

**Feedback :**PCR requires more sample material

**Question 2**

The following are advantages of the HIV rapid screening tests EXCEPT:

**Feedback :**Sophisticated instruments are required

**Question 3**

Which one of the following is not a surrogate marker of HIV disease progression?

**Feedback :**Increased CD4 cells

**Question 4**

AIDS testing in normal individuals is done by:

**Feedback :** Identification of antibodies

**Question 5**

When does western blot results interpreted as’ indeterminate’?

Select one:

a. When there are no bands

**Question 6**

Which immune marker is present during the window period of HIV infection?

**Feedback :**p24

**Question 7**

The confirmatory test used to diagnose AIDS is:

**Feedback :**Western blot

**Question 8**

Which one of the following is not a direct demonstration of HIV in a test sample?

**Feedback :**Anti -HIV antibody detection

**Question 9**

Anonymous testing means:

**Feedback :**A person’s name is not recorded, and only he or she can find out the results

**Question 10**

OraSure is one among several rapid tests approved for detection of HIV. Which of the following is the main antibody that the test measures?

**Feedback :**Plasma IgA

**Question 11**

Which immune marker is present during the window period of HIV infection?

Select one:

a. p24 antigen



## Question 12

A gynaecologist while doing a caesarean section for an HIV positive female got accidentally pricked by a needle. After 2 weeks of acquiring the infection the serum sample was sent for analysis, which of the following markers might have been positive for confirmation of diagnosis?

**Feedback** : p24

**Question 13**

Which of the following is a MAJOR advantage of HIV rapid diagnostic tests over the conventional ones?

**Feedback :** Specificity or . Sensitivity

**Question 14**

Which one of the following is not a National testing policy?

**Feedback :**A senior medical official has the overall power to compel and decide for an individual to undergo mandatory testing for HIV

**Question 15**

A positive HIV blood test means:

**Feedback :**A person has AIDS

**Question 16**

The Following statements outline the purpose of HIV diagnosis EXCEPT;

**Feedback :**For prophylaxis, medical management and treatment for healthy individuals

**Question 17**

What specifically do screening tests such as the ELISA and rapid test kits measure?

**Feedback :**Antibodies to HIV in the serum

**Question 18**

A normal individual has gone for AIDS testing. The testing is done by\_\_\_\_\_\_\_

**Feedback :**identification of antibodies

**Question 19**

Which of the following is the BEST strategy for defining cases for an HIV/AIDS surveillance program?

**Feedback :**HIV antibody testing

**Question 20**

Which one of the following are you less likely to recover HIV from when using traditional viral culture methods of detection?

**Feedback :**Tears

**Question 14**

Which of the following is NOT a rapid test for the diagnosis of HIV infection?

Select one:Western Blotting

## Question 16

A diagnostic technique to measure the effectiveness of antiretroviral hivapy will indicate\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Select one:A rise in erythrocyte count and haemoglobin level

### Question 20

Not yet answered

Marked out of 1

#### Question text

The most commonly available tests to determine if a person has HIV look for:

Select one:

a. T-cells

b. HIV antibodies

c. Opportunistic infections

d. HIV

### Question 10

Not yet answered

Marked out of 1

#### Question text

What kind of chart documentation is legally needed for patients who undergo routine HIV testing?

Select one:

a. Nothing needs to be documented in chart unless patient declines test; then simply stating the patient declined the test is sufficient.

b. Chart needs to state that patient was provided information about HIV test and asked whether test could be performed.

c. Chart needs to state only that brief pre-test counseling was performed.

d. Nothing needs to be documented in chart unless patient declines test; then reasons for declining test must be delineated.

e. Chart needs to state that risks and benefits of screening were discussed and patient agrees to test.

### 2

Not yet answered

Marked out of 1

#### Question text

Western Blotting is considered a gold standard for the confirmation of HIV infection. Which statement BEST describes the basis behind this test?

Select one:

a. None of the above.

b. Antibodies against gag and env are simultaneously detected

c. It is a rapid and sensitive test

### Question 11

Not yet answered

Marked out of 1

#### Question text

Which of the following laboratory test will be performed to reduce ‘the window period’?

Select one:

a. Test that combines both anti-HIV and p24 antigen

b. Test that detects antibodies against HIV only

c. Test that detects HIV only

d. Test that combines both CD4 and viral load

Top of Form

### Question 3

Not yet answered

Marked out of 1

#### Question text

Which of the following is NOT a major use of HIV viral load testing?

Select one:

a. Counseling

b. Treatment

c. Prognosis

d. Diagnosis

### Question 3

Not yet answered

Marked out of 1

#### Question text



Which one of the following is not a direct demonstration of HIV in a test sample?

Select one:

a. Antigen detection- P24 detection

b. Viral nucleic acid detection- PCR

c. Virus isolation- virus culture

d. Anti -HIV antibody detection

### Question 4

Not yet answered

Marked out of 1

#### Question text

Which of the following is the most appropriate diagnostic test for an infant born to an HIV-infected mother?

Select one:

a. Immunoglobulins

b. HIV polymerase chain reaction (PCR)

c. Western Blot

d. HIV ELISA

e. P24 antigen test

Bottom of Form

### Question 18

Not yet answered

Marked out of 1

#### Question text

Viral nucleic acids can be detected by which of the following techniques?

Select one:

a. Viral isolation

b. Western Blotting

c. Polymerase Chain Reaction (PCR)

d. ELISA

### Question 5

Not yet answered

Marked out of 1

#### Question text

Which of the following would be an appropriate test to perform in cases where a drug resistant HIV strain is suspected?

Select one:

a. NAAT

b. TLC

c. ELISA

d. ESR