

# **16. Reproduction**

## **16.6 Sexually transmitted infections**

### **Paper 1 and 2**

#### **Question Paper**

## **Paper 1**

Questions are applicable for both core and extended candidates

1 Some ways that diseases can be transmitted are listed.

- 1 airborne droplets
- 2 blood and needles
- 3 food and drink
- 4 unprotected sex

Which ways can transmit HIV?

- A** 1 and 3      **B** 1 only      **C** 2 and 4      **D** 4 only

2 What is HIV?

- A** a bacterium
- B** an enzyme
- C** a pathogen
- D** an antibody

3 HIV is a sexually transmitted infection (STI).

Which methods could be used to reduce the spread of HIV?

- 1 breast-feed babies
- 2 education about how HIV is spread
- 3 provide easy access to condoms
- 4 provide needle exchange schemes for drug users

- A** 1, 2 and 3      **B** 1, 2 and 4      **C** 1, 3 and 4      **D** 2, 3 and 4

4 Some types of birth control are listed.

- 1 condom
- 2 diaphragm
- 3 IUD
- 4 vasectomy

Which types are barrier methods?

- A** 1, 2 and 4      **B** 1 and 2      **C** 1 only      **D** 3 and 4

5 What is a barrier method of birth control?

- A** contraceptive pill
- B** diaphragm
- C** contraceptive implant
- D** vasectomy

6 Which contraceptive method could provide protection from sexually transmitted infections?

- A** condom
- B** diaphragm
- C** hormone implant
- D** vasectomy

7 Which precautions could help to prevent the spread of AIDS?

- 1 avoiding the mixing of blood
- 2 using a femidom
- 3 using the contraceptive pill
- 4 using a condom

- A** 1 and 3      **B** 1, 2 and 4      **C** 2, 3 and 4      **D** 2 and 4 only

## **Paper 2**

Questions are applicable for both core and extended candidates

- 8 The table shows the number of new HIV infections in 1990 and 2021 in one country.

year	1990	2021
number of new HIV infections	8800	830

Which statement could explain the change in the number of new HIV infections between 1990 and 2021?

- A Condoms, which prevent the transmission of STIs, increased in price between 1990 and 2021.
  - B People in 2021 had more sexual partners.
  - C Testing of donated blood for pathogens was introduced in 1990.
  - D There was an increase in drug abuse between 1990 and 2021.
- 9 Which statement about the human immunodeficiency virus (HIV) is correct?
- A Antibodies cannot be made.
  - B HIV infections can be treated with antibiotics.
  - C HIV destroys lymphocytes.
  - D HIV is spread by coughing and sneezing.
- 10 Which statement about HIV is correct?
- A It causes an increase in the number of lymphocytes.
  - B It is caused by bacteria.
  - C It increases the ability to produce antibodies.
  - D It is transmitted through sexual contact.

- 11 HIV is transmitted by body fluids during sexual contact.

HIV affects the immune system.

Which statement best describes the effect of HIV?

- A** The body has increased immunity.
- B** The body produces fewer antibodies.
- C** The body produces more antibodies.
- D** The number of lymphocytes increases.