

**Disease and immunity – 2021 O Level 5090****1. Nov/2021/Paper\_12/No.14**

Sickle cell anaemia is an inherited condition which causes abnormal red blood cells.

Which health problem will be caused by this change in the red blood cells?

- A** Blood will not be able to clot when bleeding occurs.
- B** Blood cells will not be able to form antibodies when needed.
- C** Glucose levels in the blood plasma will become too low.
- D** Blood will not be able to carry the normal amount of oxygen.

**2. Nov/2021/Paper\_12/No.36**

The table gives statements about HIV.

Which row correctly marks the statements as true or false?

	all HIV-positive people develop AIDS	an unborn baby is at risk if their mother is HIV positive	
<b>A</b>	x	✓	key ✓ = true x = false
<b>B</b>	✓	x	
<b>C</b>	x	x	
<b>D</b>	✓	✓	

**3. Jun/2021/Paper\_11/No.31**

What are the roles of the female mosquito and the malarial pathogen in the spread of malaria?

	female mosquito	malarial pathogen
<b>A</b>	parasite	vector
<b>B</b>	parasite	parasite
<b>C</b>	vector	parasite
<b>D</b>	vector	vector

**4. Jun/2021/Paper\_11/No.36**

Why will antibiotics **not** cure a person with HIV infection?

- A** Viruses are much smaller than bacteria.
- B** Viruses are not affected by antibiotics.
- C** Viruses are made from protein and DNA.
- D** Viruses are not pathogens.

## 5. Jun/2021/Paper\_12/No.36

The table shows four ways in which diseases may be passed from one human to another.

Which row shows the ways in which HIV may be transferred?

	transferred from person to person through			
	air	blood	saliva	semen
A	yes	no	yes	no
B	yes	no	no	yes
C	no	yes	yes	no
D	no	yes	no	yes