

## Medical Technologies Level 3 Quiz

### 1) A gene is...

**Select one:**

- a) The genetic code
- b) A package of DNA that expresses a specific trait
- c) A medical term for a sick person
- d) Kind of food often prescribed to people recovering from surgery
- e) None of these

### 2) Bacteria grow best...

**Select one:**

- a) In boiling water
- b) In the freezer
- c) In a well-ventilated room
- d) In a warm, moist, and dark environment
- e) None of these

### 3) What is the purpose of a vaccine?

**Select one:**

- a) To eliminate all pathogens from the body
- b) To treat diseases after infection occurs
- c) To stimulate the production of antibodies and provide immunity without inducing the disease
- d) To increase the body's temperature to fight infection

### 4) What is the first step in vaccine production?

**Select one:**

- a) Packaging and distribution
- b) Purifying the antigen
- c) Generating the antigen
- d) Adding other components

### 5) Why is it important to immunize?

**Select one:**

- a) To strengthen muscles
- b) To stimulate the immune system to fight diseases
- c) To cure infections already present
- d) To enhance the body's natural energy levels

**6) What breakthrough did students at Washington University School of Medicine discover in relation to HIV?**

**Select one:**

- a) A vaccine for HIV
- b) A new antibiotic to treat HIV
- c) Nano particles with bee venom that destroy HIV cells without harming surrounding cells
- d) A cure for HIV using traditional medicine

**7) Which of the following medical technologies represents a major advancement in diabetes management?**

**Select one:**

- a) X-rays
- b) Inhalers
- c) Insulin pumps
- d) Glasses

**8) What does having too much glucose in the blood indicate?**

**Select one:**

- a) Cancer
- b) Diabetes
- c) HIV
- d) Low blood pressure

**9) Why do doctors wash their hands frequently?**

**Select one:**

- a) To prevent skin irritation
- b) To avoid spreading infections
- c) To prepare for surgery
- d) To maintain a clean appearance

**10) Which of the following is not a time when hospital staff are required to wash their hands?**

**Select one:**

- a) Before touching a patient
- b) After touching a patient's belongings
- c) After touching medical equipment
- d) After using the restroom