

Sample exam Clinical

**Questions with a single best answer:**

**1. Which bond links amino acids in the sequence of a protein?**

- a) Hydrogen
- b) Ester
- c) Glycosidic
- d) Peptide
- e) Carbon

**2. Ethylene oxide is commonly used to disinfect:**

- a) Plastic syringes
- b) Incubators
- c) Benches
- d) Hands
- e) Air

**3. Trophoblast-derived cells contribute to the:**

- a) Fetus
- b) Chorionic villi
- c) Amniotic sac
- d) Uterus
- e) Vitelline sac

**4. Intracellular ice crystal formation is:**

- a) Induced by storing embryos at temperatures  $< -80^{\circ}\text{C}$
- b) Prevented by an increased permeability of the cell membrane
- c) Decreased by removing most of the water from the embryo
- d) Avoided by vitrification
- e) Increased by raising intra-cellular solute concentration

**5. In PGD for X-linked recessive disease, where the female is a heterozygous carrier, and the male is normal, what proportion of the female embryos will be affected?**

- a) None
- b) 75%
- c) 50%
- d) 25%
- e) 100%