27/04/23 BT 207

Types of PCR

1. **Nested PCR:**
   a) Why dual amplification happens in nested PCR?
   b) What is the application of Nested PCR?
   c) What is an alternative to nested PCR?

2. **Inverse PCR:**
   a) What are transposons?
   b) What is the application of inverse PCR?
   c) How will you identify the fragment of interest after cutting the fragment containing the transposon?

3. **Reverse transcription PCR:**
   a) When should we use reverse transcription PCR?

4. **Real time PCR:**
   a) How to monitor the concentration of amplicons?
   b) How to quantify amplicons with dNTPs?
   c) What can be the possible artifacts in the process of qPCR?
   d) Difference between rtPCR and qPCR?
   e) What are specific and non-specific probes?