

Quiz 2

BT 205

Time: 45 min

Total marks: 10

-
1. How do you **STOP** transcription of a gene present in a circular plasmid in **absence** of both *rho* dependent or *rho* independent process?
 2. Show schematically transcription activation in eukaryotes with the help of several factors from “off state” to “on state”.
 3. Calculate the numbers of introns during splicing of 11 exons having different sizes present in a circular DNA. Show it schematically.
 4. What is the strategy to purify mRNA from a mixture of other RNAs in laboratory?
 5. Draw the complete Lac operon system. What will be the products in Lac operon in presence of “High glucose, when Lactose is unavailable”?

(Marks: 2+2+2+2+2= 10)
