

※請在答案卷內作答

1. What is motif in protein and nucleic acid? 5%
2. What is the influence of salt concentration and pH on protein solubility?  
Please also explain the both mechanism. 20%
3. Please list two covalent bounds and 4 non-covalent interactions. 12% Which  
interaction does salt break down? 3%
4. Please compare the difference between RNA and DNA. 10%
5. What are the differences and similarities among Southern blot, DNA array  
and colony hybridization? 10 %
6. How was a phosphodiester bridge formed? 5%
7. What is the name of RNA region that release factor in translation binding to?  
5% What does a release factor release? 5%
8. What is alternative splicing? 5%
9. Please draw a eukaryotic ployribosomes. 5%
10. It is often to conduct cloning by making two cleavages with two different  
restriction enzymes. What kind of cloning is this? 5%
11. What are the three RNA processings? 6%
12. Which two RNA splicing mechanisms will produce lariat structure? 4%

參考用

