## 國立彰化師範大學 102 學年度碩士班招生考試試題

組別: 乙組 系所: 生物學系 ☆☆請在答案紙上作答☆☆ 共1頁,第1頁 -、名詞解釋 (每題 5%; 共 50%) site-directed mutagenesis genetically modified organism small nuclear RNA (snRNA) 3. peptide mass fingerprinting spliceosome 5. RNA interference (RNAi) 6. proprotein convertase DNA-binding protein 8. G protein-coupled receptor 10. human genome project = \ What is the "Central Dogma" of molecular biology proposed by Crick (1956)? However, it should be modified according to today's concept. What is it? (20%) 三、List the difference between DNA and RNA. (15%) 四、 What are the three major RNA polymerases in eukaryotes? And what are their categories of target genes for each polymerase? (15%)