國立成功大學八十學年度無理研究所入學考試 (生物化學 試題)全1頁

- Describe the reason why the "capping" and "poly(A) tail" are needed for the transcription in mammalian cells.
- 2. Outline a model for explaining the chemiosmotic theory.
- 3. Define the following terms:
 - (a) allosteric enzyme.
 - (b) Edman reaction.
- 4. When you find a new protein (enzyme), how do you determine its structure?
- 5. Outline the possible mechanism in the regulation of cholesterol synthesis.
- 6. Describe how the iodide metabolism involves thyroid follicle.
- 7. What is "second messengers"?
- 8. What is "PCR" (polymerase chain reaction)?
- Describe the conversion of tyrosine to epinephrine and norepinephrine in neuronal and adrenal cells.
- Describe the relationships among missense mutation, nonsense mutation, frame shift mutation and suppressor mutation.