系所組別: 生理學研究所甲、乙組 考試科目: 生命科學及技術

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編號:

※ 考生請注意:本試題不可使用計算機

- Please take examples to explain "mature cells can be reprogrammed to become pluripotent". (20%)
- Please describe (a) how to cut and paste DNA, (b) how to amply DNA, and (c) how to know the sequence and related information of one specific DNA. (20%)
- 3. Please simply describe Southern blotting, Northern Blotting and Western blotting, and what differences among these blottings. (20%)
- 4. Your favorite protein is located inside the nuclear of mouse brain cells.How to confirm about statement *in vivo* using different methods? (20%)
- After finishing the human genome project, post-genome era is coming.
 Please simply describe "human genome project" and " post-genome era".
 (20%)