







四、簡答題

33. (4 points) Immune organs are grouped, based on their functions, into central and peripheral organs. Please describe (i) which organs are central lymphoid organs and their functions and, (ii) which organs are peripheral lymphoid organs and their functions.
34. *Leishmania major* is a protozoan parasite that infects macrophages and monocytes, where it escapes destruction by lysosomal enzymes and escapes to replicate in vesicles. Different mouse strains respond differently to *L. major* infection: BALB/c mice produce primarily activated Th2 cells, while C57BL/6 mice produce primarily activated Th1 cells. Which mouse strain would you expect to be more resistant to *Leishmania* infection, and why? What *Leishmania*-specific effector cells would be present in infected mice from each strain? (5)
35. In order to study MHC specific for peptide A then transfect cDNA transfected T cells expected to be killed by the transfect

Tc cells. The first is presented on H-2<sup>d</sup>. You the second clone; the target cells would be

