

※ 考生請注意：本試題不可使用計算機

Please answer each question below. (10% for each)

- (1) Effect of endurance exercise on cardiovascular function.
- (2) Effect of nitric oxide on vascular smooth muscle cells.
- (3) Effect of protein kinase A on cellular function.
- (4) Effect of renin on the production of angiotensin II.
- (5) Please briefly describe the function of basal ganglia in the central nervous system.
- (6) Please describe the excitation-contraction coupling of the skeletal muscle cells briefly.
- (7) Please describe the excitatory and inhibitory postsynaptic potentials briefly.
- (8) Please describe the function of vasopressin in renal tubular cells.
- (9) Please describe the principal function of oxyntic cells in the stomach.
- (10) Please describe the Nernst equation briefly.