

QUESTIONS

- (1) Draw & describe the processes of the following specific techniques in detail:
  - (a) Radioimmunoassay.
  - (b) The stopped-flow microperfusion technique (in renal function experiment).
  - (c) Ussing chamber (in epithelial transport experiment). 21%
- (2) Give the physiological functions of blood and the mechanism of production of red blood cell. 16%
- (3) Discuss the role of the kidney in the control of plasma pH and the cause of alkaline tide after a meal. 15%
- (4) Draw & explain the changes in pressure, volume, valve, sound, and electrocardiogram in the ventricle and atrium during a single cardiac cycle. 20%
- (5) Outline the route of circulation of cerebrospinal fluid and its function. 10%
- (6) Draw & describe three kinds of the hypothalamo-hypophyseal-endocrine axis (or system). 18%