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- (1) Both cardiac and skeletal muscles are striated. How do you differentiate them under microscope? (5%)
- (2) Please describe the structure, content and functions of pituitary gland. (15%)
- (3) Please describe the anatomical and histological changes of uterine endometrium during the menstrual cycle. (10%)
- (4) Please describe the histological structure and functions of liver. (10%)
- (5) Inulin is a small carbohydrate freely filtered through glomerular capillary walls. In a test to measure glomerular filtration rate, we inject inulin into saphenous vein of a person. After a period of time, we can detect inulin from the urine of this person. Please define the route which inulin has traveled from the venous blood into the urine. To answer this question, please name the anatomical and histological structures in detail. (15%)
- (6) Please name at least four organs/tissues in which branching morphogenesis plays important role during the development. (10%)
- (7) What is circle of Willis? (5%)
- (8) Please define the structure and functions of the Limbic system in brain. (12%)
- (9) Please name the specific anatomical structures that are associated with the following diseases: (a) Angina pectoris (b) Bell's palsy (c) Colles' fracture (d) frog legs (e) hermaphroditism (f) cryptorchidism. (18%)