

1. Describe the hepatic portal system and associated vessels. (8%)
2. Describe the microscopic and gross anatomy of the duodenum. (8%)
3. Compare the heart structure and blood circulation in fetus and adulthood. (10%)
4. Draw briefly and explain the structure of the spermatic cord in the inguinal canal and the testis in the scrotum. (12%)
5. Describe the circulation of CSF (cerebrospinal fluid), starting from synthesis till final absorption. (10%)
6. Describe the muscles of the orbit. Please include the origins, insertions, innervations and actions of all muscles. (12%)
7. Provide a complete description of the shoulder joint in which you include bones, muscles, blood vessels, nerves, and actions. (25%)
8. Describe the following terms briefly: (3% for each)
 - a. thoracic duct
 - b. carotid body
 - c. tenia coli
 - d. pineal gland
 - e. epiphyseal plate