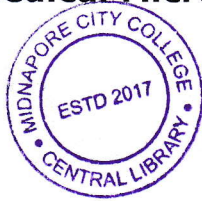


The West Bengal University of Health Sciences
M.Sc. in Medical Microbiology Part-I September, 2022 Examination

Time : 3 hrs.



Subject : Basics of Anatomy

Full Marks : 100

Attempt all questions

1. Describe the layers of epidermis of skin with labelled diagram. What is circle of wills? 7+3
2. Name the cranial nerves with their functions, write down the structure of a urinary bladder. 7+3
3. Briefly describe about the anatomical structure of testis. Write the basic structure of graafian follicle with diagram. 6+4
4. How lymph is produced in our body and what are the different lymphatic organs? Write the anatomical structure of spleen. 4+2+4
5. State the anatomical position of kidney. Briefly describe the structure of a nephron with diagram. What is metacentric chromosome? 3+6+1
6. Draw a labeled diagram of sarcomere, name the muscles which is thick and triangular in shape covering the shoulder joint. Name the muscle proteins and their functions. 4+3+3
7. State the position of pacemakers of heart. Write the basic idea about the pulmonary and systemic circulation. Discuss the morphology of a blood vessel. 3+4+3
8. Describe the gross anatomical structure of liver. Write briefly about the microanatomy of small intestine. 5+5
9. Write the anatomical position of thyroid gland, briefly describe the microanatomical structure of thyroid gland. Add a short note on hypothalamo-hypophyseal portal system. 2+4+4
10. Discuss the stages and events in cell cycle. Add a short note on centriole. 8+2