

The West Bengal University of Health Sciences
M.Sc. in Medical Microbiology Part-I February-March, 2023
Examination



Time : 3 hrs.

Subject : Basics of Anatomy

Full Marks : 100

Attempt all questions

1. Discuss the uterine, vaginal and ovarian changes in different stages of menstrual cycle. Add a short note on histology of epididymis. 7+3
2. What do you mean by feedback regulation of hormone secretion? Briefly discuss the functions of corticosteroids. 5+5
3. Briefly describe about the anatomical structure of testis. Write the basic structure of graafian follicle with diagram. 6+4
4. Compare between the sympathetic and parasympathetic nerve supply. Discuss cranial nerves under following subheadings : origin and functions. 5+5
5. Explain the pressure and volume changes in cardiac cycle with special reference to heart sounds and ECG. Classify blood vesicles. 8+2
6. Classify hormones. Discuss the synthesis and function of thyroid hormones. 2+4+4
7. Discuss the gross anatomy of cardiovascular conduction system. Describe the neural innervation to smooth muscle and skeletal muscle. 4+3+3
8. Draw a labelled diagram of a nephron and mention functions of each part. Add a short note on micturition reflex. 5+5
9. Describe the ultra-structure of cell membrane. What do you mean by osteoblast and osteoclast? Add a short note on ossification mechanism. 4+2+4
10. Discuss the gross anatomy of dermis and epidermis with diagram. Write short note on cell division. 5+5