

These questions were taken from the TNMGRMU exams and MRB exams

2-Mark Questions (Short Answer)

1. Define nephron.
2. Name the two types of nephrons.
3. Mention the parts of renal corpuscle.
4. State the function of Bowman's capsule.
5. Write the main function of the loop of Henle.
6. What is the role of podocytes?
7. Name the structures present in the renal tubule.
8. Differentiate between cortical and juxtamedullary nephron (any one point).
9. State the function of proximal convoluted tubule.
10. What is glomerular filtration?
11. Mention the function of distal convoluted tubule.
12. What is the role of collecting duct?
13. Name the capillary network associated with nephron.
14. Write the function of juxtaglomerular apparatus.
15. State any one function of peritubular capillaries.

5-Mark Questions (Brief Explanatory)

1. Describe the structure of a nephron with a neat labeled diagram.
2. Differentiate between cortical and juxtamedullary nephrons (at least 4 points).
3. Explain the process of glomerular filtration.
4. Describe the functions of proximal convoluted tubule.
5. Write a note on the loop of Henle and its role in counter-current mechanism.
6. Explain the role of distal convoluted tubule in urine formation.
7. Describe the structure and function of the juxtaglomerular apparatus.
8. Explain tubular reabsorption with suitable examples.
9. Write a short note on tubular secretion.
10. Explain the role of collecting duct in water and electrolyte balance.