

VERY SHORT ANSWER Type Questions

1. What is the nature of urine formed in human?
2. Give the examples of uricotelic organisms.
3. Where are podocytes cells located?

SHORT ANSWER Type I Questions

4. What is the role of microvilli in PCT for the process of reabsorption?
5. What is the nature of the filtrate to blood plasma in ascending limb of loop of Henle?
6. What is the significance of tubular secretion?

SHORT ANSWER Type II Questions

7. Describe how the loop of Henle helps in concentrating the urine in human.

8. Describe glomerular filtration rate and also explain the mechanism that helps in its regulation.
9. Explain the condition in the collecting duct that makes the urine hypertonic.

LONG ANSWER Type Questions

10. What is excretion? Give a brief account of the excretory materials in animals.
11. Distinguish between
 - (i) ureotelism and uricotelism.
 - (ii) proximal and distal convoluted tubules.
 - (iii) tubular secretion and tubular reabsorption.
 - (iv) ascending and descending limbs of Henle's loop.
 - (v) excretion and osmoregulation.
12. Describe the functional anatomy of human nephron.