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

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

- 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.