

Board – CBSE

Class – 11

Chapter – Excretory Production and their Elimination

1. Which gland in the prawns performs excretory functions?
2. Expand the following excretory functions:
 - a) ANF
 - b) ADH
 - c) GFR
 - d) DCT
3. Write the significance of the sebaceous gland.
4. Name the following:
 - (i) A chordate animal having flame cells as excretory structures.
 - (ii) Cortical portions projecting between the medullary pyramids in the human kidney.
 - (iii) A loop of capillary running parallel to Henle's loop.
5. What is hemodialysis?
6. What is Micturition?
7. Indicate whether the following statements are true or false :
 - (i) Micturition is carried out by a reflex.
 - (ii) ADH helps in water elimination, making the urine hypotonic.
 - (iii) Protein-free fluid is filtered from blood plasma into the Bowman's capsule.
 - (iv) Henle's loop plays an important role in concentrating the urine.
 - (v) Glucose is actively reabsorbed in the proximal convoluted tubule
8. What are the functions of nephridia? Name an animal having protonephridia?
9. Kidneys do not play a major role in excretion in ammonotelic animals. Justify.
10. What are the functions of ADH?
11. What is the ultimate method of correcting acute renal failure? Describe.
12. Mention the role of DCT in urine formation.
13. Name the passage in sequence through which urine passes from kidneys to the outside in humans. How is urine prevented from flowing back into the ureters?

14. (a) The two human kidneys do not occur at the same level-explain.
(b) Why are Kidneys called retro-peritoneal?
15. Differentiate between Cortical Nephron and Juxtamedullary Nephron.
16. Describe the structure of nephron.
17. Describe the renal excretory system of man.
18. Describe the mechanism of urine formation.
19. Describe briefly the structure and function of the renal corpuscle.
20. Describe urea cycle.
21. Explain briefly how micturition is a reflex process; but is also under some voluntary control.
22. Person suffering from very low blood pressure passes no urine why?
23. What is the chief nitrogenous waste product in birds? Give two advantages of this mode of excretion.
24. What is the significance of a frog's tadpole being ammonotelic and the adult frog being ureotelic?
25. What are the two intrinsic mechanisms that provide autoregulation of glomerular filtrate?
Explain any one of these.