

Urinary System Practice Quiz and Exercises

- 1) Name the 4 main parts of the urinary system (4 marks)

- 2) Name 3 metabolic waste products excreted through the urinary system (3 marks)

- 3) Which are the 2 most important electrolytes controlled by the kidneys? (2 marks)

- 4) How do the kidneys control blood pH? (2 marks)

- 5) Name 2 hormones produced by the kidneys (2 marks)

- 6) Name the 2 distinct regions that make up the internal structure of the kidneys (2 marks)

- 7) What is the basic functional unit of the urinary system? (1 mark)

- 8) Name the 3 sections of a renal tubule (3 marks)

- 9) How does the micturition process differ in babies and adults? (2 marks)

- 10) Name the 3 processes the kidneys perform when forming urine (3 marks)

- 11) Suggest 3 substances that should normally be found in the glomerular filtrate (3 marks)

12) Give 2 ways that kidney structure is adapted to be good at filtration (2 marks)

13) Explain the term autoregulation (1 mark)

14) When you do a urine dipstick test you don't expect to find protein, why?
(1 mark)

15) Give 2 examples of tubular reabsorbed substances (2 marks)

16) What is the function of tubular secretion? (1 mark)

17) Patients with high blood pressure are sometime given ACE inhibitors, why?
(1 mark)

18) What is the role of ADH? (1 mark)

19) Name 4 substances that are normal constituents of urine (4 marks)

20) Suggest 5 general signs or symptoms that might indicate urinary system pathology (5 marks)

21) Give the meaning of the following terms (3 marks)

- a) Dysuria
- b) Oliguria
- c) Bacteriuria

22) Name 3 symptoms that may indicate a patient has cystitis (3 marks)

23) Why are UTIs more common in women? (1 mark)

24) What is the most common cause of chronic cystitis? (1 mark)

25) What causes glomerulonephritis? (1 mark)

26) What is a consequence of glomerular sclerosis? (1 mark)

27) Explain why nephrotic syndrome leads to oedema (1 mark)

28) Why do diabetics often get kidney problems? (1 mark)

29) What is pyelonephritis? (1 mark)

30) Name an early symptom in a urine dipstick test that might lead you to believe someone has kidney stones (1 mark)

31) Name a complication of diuretic drugs (1 mark)

32) Describe peritoneal dialysis (2 marks)