

Homeostasis

Sr	Questions	Answers Choice
1	How do plants get rid of accumulated metabolic waste products like calcium oxalate crystals, especially in deciduous trees?	A. Through root exudates. B. By storing them in fruits. C. By shedding leaves in autumn. D. Through stomatal pores.
2	Which is the correct order for the path taken by urine after it leaves the kidneys?	A. Urethra, bladder, ureters B. Bladder, ureters, urethra C. Ureters, bladder, urethra D. Bladder, urethra, ureters
3	For removing stone method in which non-electrical shock waves are bombarded on stones is called.	A. Lithotripsy B. Surgery C. Dialysis D. None of these
4	The length of human kidney is.	A. 27 cm B. 4cm C. 5 cm D. 10 cm
5	Thermoregulation is the process by which the body maintains a constant internal temperature. Which of the following is an effector response to high body temperature?	A. Shivering to generate heat. B. Constriction of blood vessels in the skin. C. Sweating to release heat. D. Increased metabolic rate.
6	What are not filtered through glomerular capillaries?	A. Blood cells & Proteins B. Fats & Proteins C. Fats & Salts D. Salts & Proteins
7	Normal pH of blood is maintained at.	A. 7.35 -7.40 B. 7.35-7.45 C. 7.30-7.40 D. 7.30-7.45
8	Cacti are example of:	A. Hydrophytes B. Xerophytes C. Halophytes D. None of these
9	A condition characterized by the presence of blood in the urine, often indicating a kidney disorder, is known as:	A. Glycosuria B. Hematuria C. Polyuria D. Anuria
10	The tube between kidney and urinary bladder is the.	A. Ureter B. Urethra C. Renal tubule D. Nephron
11	The typical volume of urine produced by an average adult per day is:	A. 1 liter B. 2 liter C. 1.4 liter D. 5 liter
12	Example of hydrophyte plants is.	A. Grass B. Sea grass C. Catus D. Water lilly
13	Which of the following processes is crucial for maintaining water balance and temperature regulation in plants?	A. Photosynthesis B. Respiration C. Transpiration D. Pollination
14	Stomata are small pores primarily involved in which of the following homeostatic functions in plants?	A. Absorption of mineral salts from the soil B. Production of glucose during daylight C. Regulation of gas exchange and water vapor release D. Structural support for leaves

15	What is the primary function of the kidneys in the human body?	A. To pump blood throughout the body B. To produce digestive enzymes C. To filter waste products and excess water from the blood D. To regulate blood sugar levels
16	The process by which essential substances like glucose, amino acids, and some salts are reabsorbed from the filtrate back into the blood in the renal tubules is called:	A. Filtration B. Secretion C. Reabsorption D. Excretion
17	Amount of Urea in normal chemical composition is.	A. 9.3 g/l B. 1.87 g/l C. 1.17 g/l D. 0.75 g/l
18	Stomata play a crucial role in homeostasis by regulating the exchange of gases and the loss of water. Which cells primarily control the opening and closing of stomata?	A. Epidermal cells B. Palisade cells C. Guard cells D. Xylem cells
19	The loss of water from plant surface in the form of vapours is called.	A. Transpiration B. Guttation C. Excretion D. Thermoregulation
20	Urine is temporarily stored in which of these until it is released from body.	A. Kidney B. Ureter C. Urinary bladder D. Urethra