Homeostasis

Sr	Questions	Answers Choice
1	What is the primary purpose of homeostasis in plants?	A. To increase photosynthesis rate. B. To maintain a stable internal environment. C. To attract pollinators. D. To enhance nutrient absorption from the soil.
2	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.
3	What is the function of the ureter?	A. To store urine. B. To carry urine from the kidney to the bladder C. To carry urine out of the body D. To remove waste from the blood
4	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
5	The accumulation of urea and other nitrogenous waste products in the blood due to kidney failure is known as:	A. Glycosuria B. Uremia C. Hematuria D. Albuminuria
6	The kidneys play a crucial role in homeostasis by filtering blood and producing urine. What is the primary nitrogenous waste product excreted by human kidneys?	A. Ammonia B. Urea C. Uric acid D. Creatinine
7	A kidney transplant involves replacing a diseased kidney with a healthy kidney from a donor. What is a major challenge after a kidney transplant?	A. High risk of developing kidney stones in the new kidney B. Need for lifelong immunosuppressant medication C. Inability to consume water D. Complete recovery of natural kidney function without medication
8	What is the primary process by which plants regulate their internal temperature and water balance by losing water vapor from their aerial parts?	A. Photosynthesis B. Respiration C. Transpiration D. Absorption
9	Which organ system is mainly responsible for osmoregulation in humans?	A. Digestive system B. Respiratory system C. Circulatory system D. Urinary system
10	The typical volume of urine produced by an adult in liters per day is.	A. 2.4 B. 1.4 C. 3.2 D. 4.1
11	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
12	How many ureters take part in human excetory system:	A. two B. one C. three D. five
13	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
14	The exudation of water droplets from the margins of leaves, especially in humid conditions, is known as:	A. Transpiration B. Guttation C. Evaporation

		D. Condensation
15	What is the primary definition of homeostasis in living organisms?	A. The process of maintaining a stable internal environment despite external changes. B. The breakdown of complex food molecules into simpler ones. C. The process of growth and development in an organism. D. The movement of substances from an area of high concentration to low concentration.
16	A methods for the removal of kidney stone is.	A. Pentonial Dialysis B. Haemodialysis C. Kidney transplant D. Lithotripsy
17	The organ which performs Osmoregulation function is:	A. lungs B. kidneys C. stomach D. skin
18	In an adult man the average urine formation in a day is.	A. 4 litre B. 1.3 litre C. 1.4 litre D. 3 litre
19	The organ responsible for filtering the blood is.	A. Intestine B. Brain C. Stomach D. Kidney
20	What is the primary challenge associated with kidney transplantation?	A. Finding a suitable hospital for the procedure B. The high cost of the surgical procedure C. Immune rejection of the transplanted organ by the recipient's body D. Difficulty in finding a specialized surgeon