

EXERCISE # 1

A. Single Choice Type Questions

- Q.1** Useful materials filtered out in nephric filtrate are mostly reabsorbed in the area of -
(A) Bowman's capsule
(B) Distal convoluted tubule
(C) Loop of Henle
(D) Proximal convoluted tubule
- Q.2** Contractile vacuole of *Amoeba* takes part in -
(A) Locomotion
(B) Digestion of food
(C) Ingestion of food
(D) Osmoregulation
- Q.3** Tannins are deposited in -
(A) Bark (B) Old xylem
(C) Sieve tubes (D) Both A and B
- Q.4** Every plant cell has a dump for waste products. It is -
(A) Cytoplasm (B) Central vacuole
(C) Golgi apparatus (D) Lysosome
- Q.5** Basic filtration unit of kidney is -
(A) Ureter (B) Glomerulus
(C) Urethra (D) Collecting tubule
- Q.6** Dilution of concentration of urine is determined by availability of -
(A) Hormone thyroxine
(B) Hormone thymosine
(C) Hormone ADH
(D) Both A and B
- Q.7** Excretion means -
(A) Removal of substances present in excess
(B) Formation of those substances that have some role in the body
(C) Removal of such substances that have never been part of the body
(D) All of the above
- Q.8** Ureotelic animals are those that eliminate the nitrogenous wastes predominately in the form of -
(A) Uric acid (B) Ammonia
(C) Amino acids (D) Urea
- Q.9** A mammal excretes nitrogen in the form of -
(A) Ammonium ions (B) Amino acids
(C) Urea (D) Uric acid
- Q.10** Which one of the following sets of animals produces the same substances as their chief excretory product ?
(A) Cockroach, camel and lizard
(B) Man, dog and camel
(C) Amoeba, ant and antelope
(D) Fowl, fish and frog
- Q.11** A Malpighian tubule empties urine into the
(A) Gut (B) Coelom
(C) Lymph (D) Ureters
- Q.12** Kidneys are not only organs of excretion. Their work is supplemented by -
(A) Liver (B) Heart
(C) Large intestine (D) Skin
- Q.13** The conversion of protein waste, the ammonia into urea occurs mainly in -
(A) Kidney (B) Lungs
(C) Liver (D) Intestine
- Q.14** The Bowman's capsule functions as a
(A) Filter
(B) Suction pump
(C) Egestion
(D) All of the above
- Q.15** Which of the following is the part of kidney ?
(A) Pelvis (B) Ileum
(C) Fibula (D) Henle loop

- Q.16** The basic unit of a vertebrate kidney is the -
- (A) Ureter
 - (B) Nephron
 - (C) Malpighian tubule
 - (D) Islets of langerhans
- Q.17** Excess of water in urine resulting from kidney failure is known as -
- (A) Ureotelic
 - (B) Uricotelic
 - (C) Diabetes Malitus
 - (D) Diabetes insipidus

EXERCISE # 2

A. Very Short Answer Type Questions

- Q.1 Define excretion ?
- Q.2 What are waste products ?
- Q.3 What is excretory system ?
- Q.4 What is the function of ADH ?
- Q.5 What is unit of human kidney ?
- Q.6 What is glomerulus ?
- Q.7 Name the components of a Malpighian capsule.
- Q.8 Name the structure which absorb glucose in nephron.
- Q.9 Define micturition.
- Q.10 What is Bowman's capsule ?
- Q.11 Name a waste product of plants which is used as medicine.
- Q.12 Where is urine stored in the body ?
- Q.13 Write the name of membrane of vacuole.

B. Short Answer Type Questions

- Q.14 Enumerate functions of kidney.
- Q.15 Name the various waste products produced in human beings.
- Q.16 Name the different waste products by plants.
- Q.17 How are plants able to manage their waste products ?
- Q.18 Write a short note on ultra filtration.

- Q.19 Write a short note on secretion.

- Q.20 Describe the mechanism of urine formation.

- Q.21 Describe the mechanism by which human beings are able to regulate the concentration of urine.

C. Long Answer Type Questions

- Q.22 Describe the various components of urinary system of man.

- Q.23 Explain the structure of nephron with the help of a labelled diagram.

- Q.24 Draw a diagram of the human urinary system and label in it
(i) Kidney (ii) Ureter (iii) Urinary bladder
(iv) Urethra.