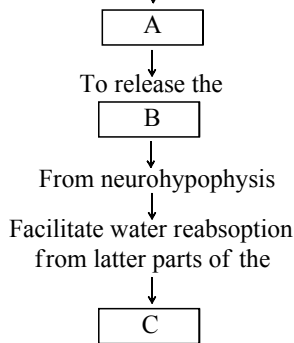


Topic :- Excretory Products & Their Elimination

- Which of the following is correct with reference to haemodialysis?
 - Absorbs and resends excess of ions
 - The dialysis unit has a coiled cellophane tube
 - Blood is pumped back through a suitable artery after haemodialysis
 - Anti-heparin is added prior to haemodialysis
- Polyuria is a condition in which
 - Amount of urine pass out is more
 - Amount of urine pass out is less
 - No urine pass out
 - No urine formation
- Glucose, Na, and amino acid are actively transported substances, because
 - Their movement occurs according to concentration gradient
 - Their movement occurs against concentration gradient
 - ATP is not needed for transportation
 - They are transported by simple diffusion
- Which of the following is both osmoregulator as well as nitrogenous product?
 - NH₃
 - Urea
 - Uric acid
 - All of these
- With respect to mode of excretion bony fishes are?
 - Osmoconformers
 - Ammonotelic
 - Uricotelic
 - Uriotelic
- Identify the true statements and choose the correct option accordingly
 - Blood vessel leading to the glomerulus is called efferent arteriole
 - Vasa-recta, peritubular capillaries and glomerulus, all have blood
 - Cortical nephrons have highly reduced vasa-recta
 - Vasa-recta runs parallel to the Henle's loop in the juxta-medullary nephron
 - I, II and III
 - I, II and IV
 - I, III and IV
 - II, III and IV
- The yellow colour of urine is due to the presence of
 - Urea
 - Uric acid
 - Urochrome
 - Bilirubin
- Choose the correct option for A, B, C from given option

Excessive loss of fluid from body
Activate receptors which stimulate



- a) A-Adrenal cortex, B-ADH, C-PCT b) A-Adrenal medulla, B-ADH, C-PCT
c) A-Hypothalamus, B-ADH, C-Distal tubules d) A-Lungs, B-ADH, C-Distal tubules

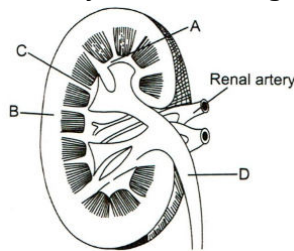
9. Structural and functional unit of the kidney is

- a) Medulla b) Nephridia c) Nephron d) Hilum

10. Marine teleost fishes excrete

- a) Uric acid b) Ammonia c) Urea d) None of these

11. Identify A to D in the given structure and choose the correct option accordingly



- a) A-Calyx, B-Cortex, C-Renal column, D-Ureter
b) A-Calyx, B-Cortex, C-Renal column, D-Urethra
c) A-Urethra, B-Cortex, C-Renal column, D-Calyx
d) A-Urethra, B-Calyx, C-Renal column, D-Cortex

12. The net filtration pressure in the glomerulus of the kidney is

- a) 70 mm Hg b) 35 mm Hg c) 25 mm Hg d) 10 mm Hg

13. Loop of Henle is meant for the absorption of

- a) Potassium b) Glucose c) Water d) Carbon dioxide

14. Functioning of kidney is efficiently regulated by

- a) ANF b) JGA c) Both (a) and (b) d) Lungs

15. Select the correct pathway for the passage of urine in humans

- a) Renal vein → Renal ureter → Bladder → Urethra

- b) Collecting tubule → Ureter → bladder → Urethra
- c) Pelvis → Medulla → Bladder → Urethra
- d) Cortex → Medulla → Bladder → Ureter

16. The waste products produced in man which need excretion are?
a) Carbon dioxide b) Urea and salts c) Excess of water d) All of these
17. Excretion of nitrogenous waste product in semisolid form occurs in
a) Ureotelic animals b) Ammonotelic animals
c) Uricotelic animals d) Amniotes
18. Juxta glomerular apparatus is modification in the
a) Afferent arteriole and PCT b) Afferent arteriole and DCT
c) Efferent arteriole and DCT d) Efferent arteriole and PCT
19. A large quantity of fluid is filtered every day by the nephrons in the kidneys. Only about 1% of it is excreted as urine. The remaining 99% of the filtrate
a) Gets collected in the renal pelvis b) Is lost as sweat
c) Is stored in the urinary bladder d) Is reabsorbed into the blood
20. Autoregulation of GFR (Glomerular Filtration Rate) is taken place by
a) Renin angiotensin mechanism b) Juxtaglomerular apparatus
c) Vasopressin d) All of the above

