DPP
DAILY PRACTICE PROBLEMS

Class : XIth **Subject : BIOLOGY**
Date : **DPP No. : 9**

Topic :- Excretory Products & Their Elimination

1. Reabsorption of water in DCT and CT part of nephron is function of
   a) Prolactin b) Oxytocin
   c) Vasopressin d) Luteinising hormone

2. Choose the false statement
   a) Tubular cells secretes H^+, K^+, ammonia to filtrate
   b) Tubular cells helps to maintain the acid base balance of the body fluid
   c) Tubular cells helps in ionic balance
   d) Tubular secretion is not very important step in urine formation

3. In micturition,
   a) Urethra relaxes b) Ureter relaxes c) Ureter contracts d) Urethra contracts

4. Haemodialysis is associated with
   a) Liver b) Spleen c) Kidney d) Stomach

5. Glomerular filtrate is
   a) Blood minus blood corpuscles and plasma protein
   b) Blood minus corpuscles
   c) Mixture of water, ammonia and corpuscles
   d) Urine

6. ANF mechanism checks on
   a) Oxytocin – renin mechanism b) Counter – current mechanism
   c) Renin – angiotensin mechanism d) Oxytocin – angiotensin mechanism

7. Urine formed by nephornes is ultimately carried to …A… where at stored fill a voluntary signal is given by the …B… . This signal is initiated by …C… of urinary bladder as it gets filled with urine.
   Choose the correct option for A, B and C to complete the given NCERT statement
   a) A-urethra, B-CNS, C-PNS b) A-urinary bladder, B-CNS, C-stretching
   c) A-urethra, B-CNS, C-stretching d) A-urethra, B-CNS, C-ANS

8. Renal portal system is

a) Present in all vertebrates
b) Present in all chordates
c) Absent in mammals
d) Present in all mammals

9. Which of the following features activates the JG cells?
I. Fall in GBR II. Fall in GBF
III. Fall in GFR
Choose the correct option
a) I and II
b) II and III
c) I and III
d) I, II and III

10. In majority, juxta-medullary nephrons are found in the kidney of
a) Kangaroo rat
b) Camel
c) Both (a) and (b)
d) Fishes

11. Renal calculi is
a) Soluble mass of crystallised salts in kidney
b) Soluble mass of protein in kidney
c) Insoluble mass of proteins in kidney
d) Insoluble mass of crystallised in kidney

12. Our lungs releas
a) 18 L of O_2 every day
b) 18 L of CO_2 every day
c) 10 L of CO_2 every day
d) 10 L of O_2 every day

13. Layers between the glomerular and Bowman's capsule through which the filtration takes place are
I. endothelium of the glomerular blood vessel
II. middle lamella
III. basement membrane between the endothelium of glomerular blood vessels and epithelium of the Bowman's capsule
IV. epithelium of the Bowman's capsule
a) I, II and III
b) II, III and IV
c) I, III and IV
d) I, II and IV

14. The conversion of dangerous nitrogenous waste into less toxic excretory matter is carried out in man in the
a) Blood
b) Liver
c) Kidney
d) Skin

15. Osmoreceptores in the body is activated by the changes in
I. blood volume
II. body fluid volume
III. ionic concentration
The option containing correct statements is
a) I and II
b) I and III
c) III and II
d) All of these

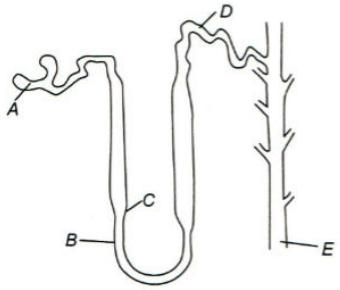
16. Choose the mismatched part of nephron with their function
a) Bowman's capsule – Glomerular filtration
b) PCT – Aeabsorption of Na^+ and K^+

c) DCT – Aeabsorption of glucose d) Loop of Henle – Urine concentration

17. On an average the amount of urea in gram excreted out per day is
a) 25-30 gm b) 30-35 gm c) 20-25 gm d) 35-40 gm

18. Uremia is accumulation of urea in
a) Liver b) Blood c) Kidney d) Bone joints

19. Study the given structure of a nephron and match the level A, B, C and D with the given statement I, II, III and IV. Then choose the correct option from the codes given below



I. Podocyte are present through which filterate generated
II. Glomerulus filtrate is concentrate in descending limb of loop of Henle
III. Glomerular filtrate is diluted in ascending limb of loop of Henle
IV. Juxtra-glomerular apparatus is found

codes

A B C D
a) I II III IV b) I II IV III
c) II III I IV d) III II IV I

20. Urine formation involves
I. glomerular filtration
II. tubular reabsorption
III. tubular secretion
Choose the correct option for the above statements
a) I and II b) II and III c) I and III d) I, II and III