www.sakshieducation.com

EXCRETORY SYSTEM

1. Columns of Bertin are present in

	a. Bowman's capsule	b. renal cortex &	medulla
	c. between renal pyramids**	d. urinary bladde	er 💦
2.	The cells present in Bowman's capsule are		
	1. Podocytes** 2.Nephrocytes	3.Flame cells	4.Neural cells
3.	A fresh water fish can maintains osmoregula	ation by	
	a) Eliminating both salt and water into the envi	ronment.	
	b) Taking both water and salts from environme	nt.	
	c) Eliminating excess of salts and continuously	taking water	
	d) Eliminating excess water and taking up salts	from the environr	nent**
4.	Which group among the following can retain	n a large amount o	of urea in the blood and tissue fluid?
	a) Frog, toad, prawn	b) Alliga	tors, terrapins, turtles
	c) Sharks, sting ray, electric ray**	d) Mamn	nals excluding man
5.	Flame cells/protonephridia/solenocytes are the excretory structures of		
	a) Prawns b) earthworms c) coc	kroaches d) flat worms**
6.	. Which part of nephron is considered as impermeable to water?		
	a) DCT b) PCT c) Ascending limb of Loc	op of Henle** d)	descending limb of Loop of Henle
7.	Reabsorption of glucose occurs in		
	a) Collecting tubule b) Proximal convolu	ted tubule** c) o	collecting tubule d) Henle's loop
8.	Excretory products of mammalian embryo	are eliminated by	
	a) Placenta b) amniotic fluid c) all	antois**	d) ureters
9.	Identify the substance whose concentration	is higher in blood	than in glomerular filtrate?
	a) urea b)plasma proteins** c)wa	iter	d)glucose
10.	. The hormone which is produced by kidney t	o stimulate the pr	oduction of erythrocytes is
	a) erythroclastin b)heparin c) erythrop	oietin* d)) renin
11.	. The character of producing more concentra	ted urine in verte	brates generally depends on
	a) Area of Bowman's capsule b) len	gth of proximal co	nvoluted tubule
	c) Capillary network in glomerulus	d) length of Hen	le's loop**
12.	. The process which occurs during deamination	on in urine forma	tion is
	a) Oxidation of ammonia b) reduction	of ammonia	
	c) Removal of amino group from an amino acid	d** d)) addition of amino group

www.sakshieducation.com

www.sakshieducation.com

13. Identify the correct expression to calculate the net filtration pressure (NFP)

a) $(GHP-CHP) + BCOP$	b) GHP—(BCOP + CHP)**

c) BCOP - (GHP + CHP) d) (BCOP - CHP) + BCOP

14. Reabsorption of Na ions is controlled by

a) renin	b)rennin	c)vasopressin	d) aldosterone**
----------	----------	---------------	------------------

15. Haematuria is the disorder involving

- a) Loss of blood through urine** b) increase in concentration of blood urea
- c) Loss of glucose in urine d)loss of haemoglobin of RBC

16. The components present generally in the urine of a person suffering with diabetes mellitus are

a) glucose only b) no glucose c) ketone bodies d) a & c **

17. Character of ascending limb of Loop of Henle is

- a) Permeable to both water and electrolytes b) permeable to water but not for electrolytes
- c) Impermeable to water but not for electrolytes** d) impermeable to both water and electrolytes

18. Dialysing unit /artificial kidney contains fluid which is almost same as that of plasma except that it

has

a) No urea** b)high plasma c)high urea d)high uric acid

19. Urine becomes more and more hypertonic as it passes through

a)descending limb of loop of Henle*	b)proximal convoluted tubule
c)ascending limb of loop of Henle	d)distal convoluted tubule

20. Match the following

- LIST I
- A) Vasa recta
- B) Brush border
- C) Podocytes
- D) Columns of Bertini

A	В	С	D
a) II	Ш	IV	V
b) III	IV	Ι	II **
c) IV	III	Ι	Π
d) I	IV	Π	III

LIST – II

I) Bowman's capsuleII) Cortex into medulla

- -----
- III) counter current mechanism
- IV) Proximal convoluted tubule
- V) Distal convoluted tubule

www.sakshieducation.com

21. Match the following

LIST – I	LIST – II
A) Transitional epithelium	I) Bowman's capsule
B) Simple cuboidal ciliated epithelium	II) collecting duct
C) Podocytes	III) urinary bladder
D) Simple columnar epithelium	IV) Proximal convoluted tubule

A	D	C	D	
a) II	III	IV	II	
b) III	IV	Ι	II *	*
c) IV	III	Ι	II	
d) I	IV	Π	III	

р

22. Match the following

Column - I
A) JG cells
B) Hypothalamus

C) angiotensin II

D) ANP

А	В	С
	_	-

a) II III IV 🔴 IV

b) III Ι Π

- c) IV III d) I IV Η Ш

23. Inflammation of kidney because of infection by bacteria is known as

a) pyuria b) nephritis** c) cystitis

D

Π

Π

I**

d) glomerulonephritis

24. Identify the part through which urea is reabsorbed into interstitial fluid to maintain osmolarity in that region

Column – II I) vasodilator

II) vasopressin

IV) Renin

III) vasoconstrictor

a) Collecting duct** b) PCT c) DCT d) Loop of H

25. Least toxic form of excretory material is

b) ammonia c) uric acid** d) creatinine a) Urea

www.sakshieducation.com