

Subject : BIOLOGY DPP No. : 6 Class: XIth

Date:

	Topic :- Excretory Products & Their Elimination				
1.	Choose the correct order of urine formation in human a) $PCT \rightarrow ALH \rightarrow DLH \rightarrow DCT \rightarrow CD$ b) $ACH \rightarrow DLH \rightarrow PCT \rightarrow DCT \rightarrow CD$ c) $PCT \rightarrow DLH \rightarrow ALH \rightarrow DCT \rightarrow CD$ d) $CD \rightarrow DCT \rightarrow ACH \rightarrow DLH \rightarrow PCT$				
 Consider the following statements I. Flame cells are excretory structures in flatworms. II. Green glands are excretory organs in annelids. III.Columns of Bertini are the conical projections of renal pelvis into renal medulla between the repyramids. 					
	a) I and II correct b) II and III incorrect c) I and III correct d) I, II and III correct				
3.	Arrange the following parts of the nephron in a sequential manner and select the correct option accordingly I. Glomerulus II. Bowman's capsule III. Henle's loop IV. Proximal convoluted tubule V. Collecting duct VI. Distal convoluted tubule				
	a) $I \rightarrow II \rightarrow III \rightarrow IV \rightarrow VI$ b) $I \rightarrow II \rightarrow IV \rightarrow III \rightarrow VI \rightarrow V$ c) $I \rightarrow II \rightarrow IV \rightarrow III \rightarrow VI \rightarrow V$ d) $VI \rightarrow III \rightarrow II \rightarrow II \rightarrow VI \rightarrow V$				
4.	 The outline of principal event of urination is given below in unorder manner I. Stretch receptors on the wall of urinary bladder send signal to the CNS II. The bladder fills with urine and becomes distended III. Micturition IV. CNS passes on motor messenger to initiate the contraction smooth muscles of bladder and simultaneous relaxation of urethral sphincter The correct order of steps for urination is a) II→I→IV→III b) IV→III→III→I c) II→I→III→IV d) III→II→I 				
5.	Malpighian tubules are the excretory structures of a) Insects b) Mammals c) Birds d) Reptiles				

PRERNA EDUCATION

6. The first step in the urine formation is the filtration of the blood, which is carried by the ...A... and is called

	blood pumped out by each	ventricle of the heart	in a minute. to complete the given NCER'				
	a) A-glomerulus; B-filtration, C-800-900, D $-\frac{1}{4}$ th						
	D) A-glomerulus; B-filtration, C-1100-1200, D $-\frac{1}{5}$ th						
	c) A-glomerulus; B-filtration, C-1100-1300, D $-\frac{1}{6}$ th						
d) A-glomerulus; B-filtration, C-1100-1500, D $-\frac{1}{5}$ th							
7.	Choose the correct ones I. Vasa recta is lacking in cortical nephrons II. Maximum number of nephrons in kidney are juxta-medullary type III. DCT of many nephorns open into collecting tubule IV. During summer when body loses lot of water by evaporation, the release of ADH is suppressed V. When someone drinks lot of water, ADH release is suppressed VI. Exposure to cold temperature stimulates ADH release VII. An increase in glomerular blood flow stimulates formation of angiotensin II The correct option is						
	=	b) All except V and VI	I c) All except I and V	d) All except II and VI			
8.	All Bowman's capsules of ta) Pelvis	<mark>he ki</mark> dney ar <mark>e fou</mark> nd ir b) Medulla	c) Cortex	d) None of these			
9.	Human kidneys can produce urine nearly a) Three times concentrated than initial filtrate b) Four times concentrated than initial filtrate c) Five times concentrated than initial filtrate d) Six times concentrated than initial filtrate s. ANF (Anti Natriuretic Factor) is released by						
10.	,	b) Kidney	c) Heart	d) All of the above			
11.	Mammals excrete a) Urea	b) Uric acid	c) Ammonia	d) All of these			
12.	Medullary gradient is main a) NaCl and urea c) Glucose and urea	lly developed due to	b) NaCl and glucose d) Ammonia and glucos	se			
13.	An adult human excretes of a) 2-3 litres of urine per date) 2-5 litres of urine per date.	ny	-	b) 1-1.5 litres of urine per day d) 4-5 litres of urine per day			
14.	Angiotensin-II activates theA and releaseB						

	Choose the correct option for A and B to complete the given statement							
	a) A-adrenal cortex; B-ald	losterone	b) A-adrenal medulla; B-aldosterone					
	c) A-adrenal capsule; B-al	ldosterone	d) A-adrenal medulla; B-oxytocin					
15.	I. Ureter II. Renal pelvis, III. Calyx IV. Urinary bladder V. Urethra							
	Choose the correct sequen	nce of urine route to outs	side					
	a) $I \rightarrow III \rightarrow III \rightarrow IV \rightarrow V$	b) $V \rightarrow IV \rightarrow III \rightarrow II \rightarrow I$	c) $V \rightarrow III \rightarrow IV \rightarrow I \rightarrow II$	d) $III \rightarrow II \rightarrow IV \rightarrow V$				
16.	Loop of Henle is associated with							
	a) Excretory system	b) Respiratory system	c) Reproductive system	d) Digestive system				
17	For brain calls the ammor	nia is work towis bosouss						
17. For brain cells the ammonia is very toxic because								
	 a) Ammonia (NH⁺₄ ions) affect the brain cell functioning by changing polarity of cell membrane b) Ammonia is not very toxic to the other cell than brain cells 							
c) Ammonia is highly stable in brain cells								
	d) Ammonia penetrate the	e cell membrane of brair	1 cells					
18	NaCl is transported by asc	cending limb of Henle's b	oop, which is exchanged with					
10.	a) DCT	centuing mind of ficine 31	b) PCT	ı				
	c) Ascending limb of vasa	racta	d) Descending limb of vas	sa rocta				
	c) Ascending minb of vasa	Tecta	u) Descending mino of vas	sa recta				
19.	Which one is related to ur	rine concentration in ma	mmals?					
	a) Testosterone hormone		b) Antidiuretic hormone					
	c) Oxytocin hormone		d) All of these					
	e, engreem nermene		w) Thi or throse					
20.	Characteristic common in	frog and human						
I. Internal fertilisation								
	II. Nucleated RBC							
	III. Four chamber heart							
	IV. Ureotalic excretion							
	V. Lungs are organ of respiration							
The correct option is								
	a) I and III	b) II and IV	c) II and IV	d) Only IV				
	aj i aliu ili	b) II allu IV	cj ii aliu iv	uj Omy iv				