CHAPTER-19

GPLUS EDUCATION

EXERCISES

Excretory Products and Their Elimination

- 1. Define Glomerular Filtration Rate (GFR)
- Explain the autoregulatory mechanism of GFR.
- 3. Indicate whether the following statements are true or false:
 - (a) Micturition is carried out by a reflex.
 - (b) ADH helps in water elimination, making the urine hypotonic.
 - (c) Protein-free fluid is filtered from blood plasma into the Bowman's capsule.
 - (d) Henle's loop plays an important role in concentrating the urine.
 - (e) Glucose is actively reabsorbed in the proximal convoluted tubule.
- 4. Give a brief account of the counter current mechanism.
- 5. Describe the role of liver, lungs and skin in excretion.
- 6. Explain micturition.
- 7. Match the items of column I with those of column II:

-0.50	_	α-	lumn II
	Column I		
	(a) Ammonotelism		Birds
	(b) Bowman's capsule	(ii)	Water reabsorption
	(c) Micturition		Bony fish
	(d) Uricotelism	(iv)	Urinary bladder
	(d) ADH	(v)	Renal tubule
4	What is meant by the term of	smo	oregulation?
/ 10:	Toward animals are gene	rally	either ureotelic or uricotelic, not ammonotelic,
9.			
2	why?	vrta	glomerular apparatus (JGA) in kidney function?
		Kta ,	giorner char expression
11.	Name the following:		11
	(a) A chordate animal havir	ig Ila	ame cells as excretory structures
	(b) Cortical portions project	ing	between the medullary pyramids in the human
	kidney		United the Henle's loop
	(c) A loop of capillary runni	ng p	arallel to the Heme's loop.
12.	Fill in the gaps :		1 - deconding
	(a) Ascending limb of Henle	's lo	op is to water whereas the descending
	limb is to it.		
	(b) Reabsorption of water from	m di	stal parts of the tubules is facilitated by hormone
	·)		
	(c) Dialysis fluid contain all	the	constituents as in plasma except
			etes (on an average) gm of urea/day.
			W 12 Hotels