



# INDIAN SCHOOL DARSAIT

## DEPARTMENT OF BIOLOGY



Subject : Biology

Topic : Excretory Products  
and their Elimination

Date of worksheet : 16 -10 -2017

Resource Person: Zehra Fatima

Date of Submission : \_\_\_\_\_

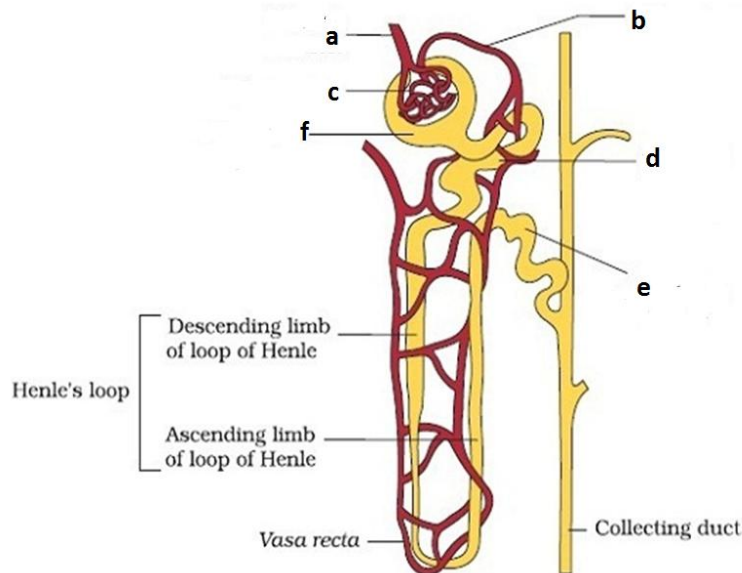
Name of the Student : \_\_\_\_\_

Class & Division : XI B

Roll Number : \_\_\_\_

S.No.	Questions	Marks
1 .	The part of loop of Henle which is impermeable to water?	1
2.	Mention the constituents of human sweat.	1
3.	What are three main forms in which animals excrete nitrogenous wastes?	1
4.	Write the function of vasa rectae.	1
5.	Name the two types of nephrons found in human kidney?	1
6.	Which glands secrete sebum?	1
7.	What is micturition?	1
8.	Define Glomerular Filtration Rate	1
9.	Name the excretory products of the following i)Reptiles                      ii)Prawns	2
10.	Write the function of enzyme 'renin' produced by kidney	2
11.	List the three processes involved in urine formation.	2
12.	Write the names of the animals who have the following excretory organs i)Protonephridia,    ii)Malpighian tubules    iii)Green glands.	2
13.	State two metabolic disorders which can be diagnosed by the analysis of urine.	2
14.	Mark the odd one a)Renal Pelvis, Medullary pyramid, renal cortex, ureter b)Glomerular filtration, antidiuretic hormone, hypertonic	2
15.	Draw a well labeled diagram of longitudinal section of kidney.	3

16. What is the role of the following in regulation of Kidney function:- 3  
 (i) Hypothalamus (ii) JGA (iii) ANF
17. What is counter current mechanism? Where does it operate & what is its use? 3
18. Describe the hormonal feedback mechanism in controlling renal functions. 3
19. Label the following diagram showing structure of nephron label a, b,c,d,e and f. 3



18. Draw a well labeled diagram of longitudinal section of kidney. 3
19. Draw a well labeled diagram of human urinary system and write one function of each adrenal gland, ureter, urinary bladder, kidney and urethra. 5
20. Explain in detail the steps involved in the process of urine formation 5
21. Write in detail the function of different tubules of nephron. 5