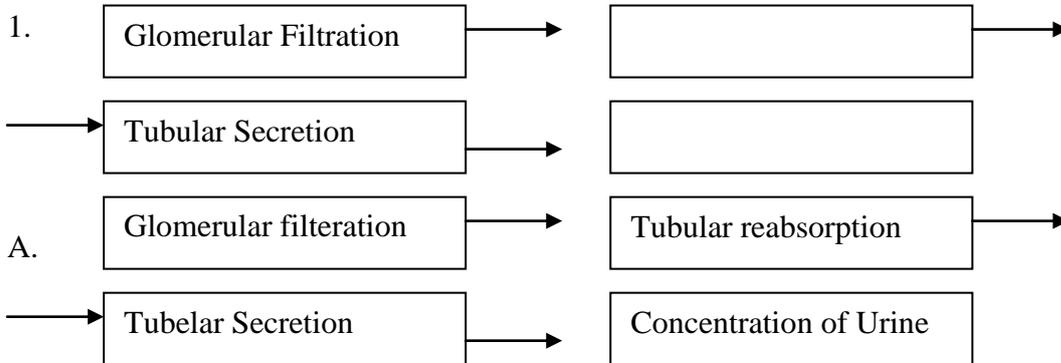


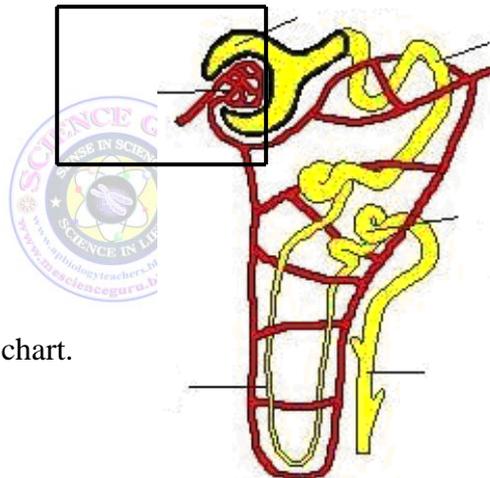
7. Sequence of urine formation in nephron is (A)
- Glomerular filtration - Tubular reabsorption Tubular Secretion
 - Tubular reabsorption - Tubular secretion – Glomerular filtration
 - Tubular secretion – Glomerular filtration – Tubular reabsorption
 - Tubular reabsorption – concentration of urine – Tubular secretion.
8. After having lunch one can feel to pass urine because of a (A)
- Stomach pressures on bladder
 - Solids become liquids
 - water content in food material
 - Sphincter relaxation.
9. a) formation of waste material in plants is very slow
- b) There is no special excretory organs in plants (A)
- Both a, b are true b) a true, b false
 - b true, a false d) a, b are false
10. What is the reason that animals can't eat some parts of the plants. (D)
- They are not delicious
 - They preserve waste materials
 - They have thorns
 - Animals do not need to eat them.
- Both a, b are wrong b) c, d are correct
 - C, d are not correct d) a, b are correct
11. Biodiesel is extracted from – plant seeds (A)
- Jatropha b) black plum c) quinine d) Hevea
12. The maximum capacity of urinary bladder is ml (B)
- 900-100 ml b) 700-800ml c) 500-600ml d) 600-900ml
13. Expand DCT (C)
- Desolved concentrated toxin
 - Digital comparative Techniques
 - Distal Convoluted Tubule.
 - None of the Above
14. Matching
- Podocytes (b) a) Pigments
 - Vasopressin (d) b) Bowman's capsule epithelium
 - Liver (a) c) Branch of kidney
 - Hyalus (c) d) Diabetic insipidus

15. Who invented dialysis machine (A)
- a) William J. Calf b) Edward Jenner
 c) Salim Ali d) None of the Above

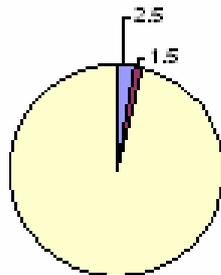
1 Marks Questions.



2. Name the part of nephron diagram? Which performance has been done there?
- a. 1. Bowman's capsule and bunch of fine blood capillaries called Glomerulus.
 2. It performs filtration.



3. Write the information of pie chart.



- a. There is 96% of water in urine. Urea, uric acid, creative etc
 There is the 2.5 % of carbon materials.
 1.5 % of inorganic material like sodium, chloride phosphate, Mg, ca Etc.
4. Separate the primary & secondary metabolites carbohydrates, Alkaloids, Gums, Fates, Latex, protiens
- a. Primary metabolites: – carbohydrates, fats, proteins secondary metabolites –
Alkaloids:- gums, Latex

5. Fill the given Table.

| Alkaloid | Plant | Part |
|-----------|----------------------|-------|
| Quinine | ---- | Bark |
| Reserpine | Rauwolfia Serpentina | ----- |

A.

| Alkaloid | Plant | Part |
|-----------|----------------------|------------|
| Quinine | Cinchona affcinalis | Bark |
| Reserpine | Rauwolfia Serpentina | Root, Bark |

6. People in cold countries get very less / no sweat. What changes occur in their skin and in other excretory organs?

a. In cold countries due to cool environment, the blood vessels are narrow and sweat production is less or reduced. Thus the skin keeps the body warm.

7. 'Do roots secrete'? What is your opinion?

a. Yes, roots also can secrete a portion of their peculiar secretions back into the soil.

8. What is Latex?

a. Latex is a sticky and milky white substance secreted by plants.

9. Classify the substances given below .

Adrenalin, Nicotine, Vasopressin, Quinine

a. Hormones :- Adrenalin, Vasopressin

Alkaloids :- Nicotine, Quinine.

10. Write the uses of below Alkaloids ?

a. Pyrethroids b. Nimbin

A. a. Pyrethroids → Insecticides

b. Nimbin → Antiseptic.

11. What is micturition ?

A. The sending of urine from urinary bladder through to outside the body is called micturition.

12. What is hemodialysis ?

A. Filtering the blood of a person whose kidneys are damaged with dialysis machine.

13. What is excretion ?

A. A biological process involved in separation and removal of toxic wastes from the body.

14. What is secretion ?

A. It is movement of material from one point to other point.

15. What is the most poisonous of all waste products of metabolic activities?

A. Ammonia

2 Marks Question

1. Deepak said that Nephrons are functional and structural units of kidney' how will you support him

(or)

Explain about the nephrons are functional and structural units of kidneys.

2. How plants manage the waste materials ?

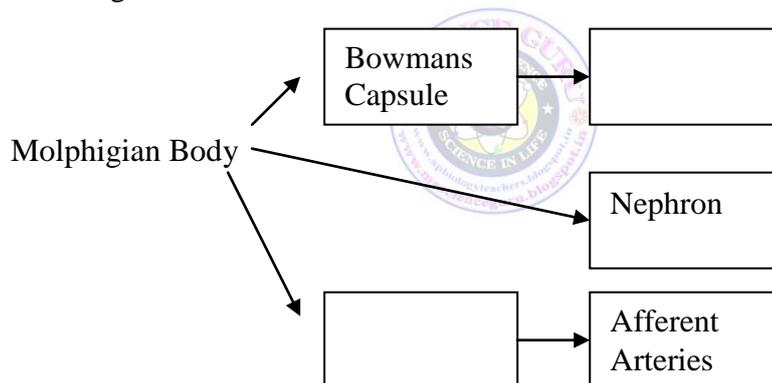
(or)

Explain about transpiration, Guttation, Leaves, bark, Raphides, role in plants excretion.

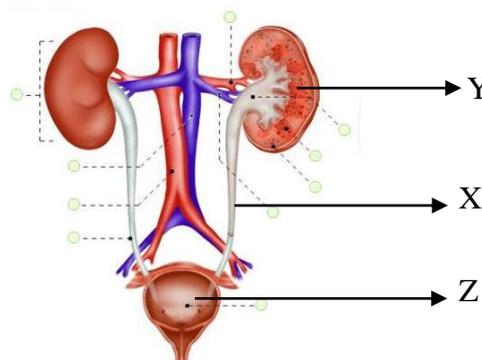
3. How liver participate in excretion ? (or)

What is the role of liver in excretion

4. Fill the given chart



5. Excretory system : Diagram



1. Name the organ

2. Labell the X, Y, Z parts and explain about them ?

6. What are the gum yielding Trees in your surroundings? What procedure you should follow to collect gum from trees ?

7. To keep your kidneys health for long period what question will you ask a nephrologists / urologist ?
8. State the excretory organs given animals.
- | <u>Animal</u> | <u>excretory organ</u> |
|--------------------|------------------------|
| 1. a moeba | - |
| 2. Platyhetmysthes | - |
| 3. Annelida | - |
| 4. Arthropod | - |
9. Correct the Ravi's answers for the following questions
10. What are the accessory excretory organs ?

| S.No | Questions | Ravi's answer | | Your Answer | |
|------|---|----------------------------------|----------------------------------|-----------------------|-----------------------|
| | | Yes | No | Yes | No |
| 1 | Quinine is extracted from cinchona plants | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 2 | Pyrethroids are produced from datura fruits & flowers | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 3 | Caffeine is the nervous stimulator | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 4 | Morphin works and a pain killer. | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |

What are their excretory materials ?

11. State the role of kidneys in human transport system ?
12. If reabsorption does not take place in kindneys.what will happen ?
13. Write the special aromas of plants in your observation.
14. How parthenium plants are harmful to our health ?

4 Marks Questions

1. In which cases Doctor prefer Dialysis to patient?

(Or)

Why do some people need to use a dialysis machine ? Explain the principle involved in it?

2. List out the things that makes you amazing in excretory system of human being?

(Or)

Appreciate the excretory system and explain ?

8. Draw a neat diagram of L.S. of Kidney and explain about given parts.
 - a. Cortex
 - b. Medulla
9. Draw a neat diagram of nephron and explain about malphigion body and bowman's capsule.
10. Give reasons
 - a. Always vasopression is not secreted
 - b. when vrine is discharged in beginning at is acidic in nature later it become alkaline.
 - c. Diameter of afferent arterioles is bigger than efferent arteriole.
 - d. Urine is slightly thicker in summer than in winter.

