

Class – X

Subject – Biology

TRANSPORTATION & EXCRETION

MM: – 30

Section-A Objective Type Questions (1 Mark Each)

1. Four chambered heart is characteristics feature of:
a. Fishes
b. Amphibians
c. Reptiles
d. Mammals
2. Blood pressure is measured by an instrument known as:
a. ECG
b. Stethoscope
c. Sphygmomanometer
d. EEG
3. Translocation utilizes energy (ATP) to transfer _____ into phloem tissue.
a. Sugar
b. Fat
c. Potassium
d. Lipid
4. A blood vessel which pumps the blood from the heart to the entire body:
a artery
b capillary
c Vein
d Haemoglobin
5. Which of the following helps in maximum transport of oxygen?
a. Red blood corpuscles
b. Platelets
c. Plasma
d. White blood corpuscles
6. Functional unit of kidney is
(A) Nephron (B) Nephritis (C) Neuron (D) All
7. Which of the following needs large amount of water
(A) Urea (B) Ammonia (C) Uric acid (D) Amino acid
8. The correct path taken by urine after its production is
(A) Kidney → Ureter → Bladder → Urethra
(B) Kidney → Bladder → Urethra → Ureter
(C) Kidney → Urethra → Bladder → Ureter



(D) Kidney → Ureter → Urethra → Bladder

9. Single circulation is found in

(A) Fish (B) Reptiles (C) Birds (D) None

10. One Blood is poured into the left atrium through

(A) superior vena cava (B) pulmonary vein (C) inferior vena cava (D) pulmonary artery

Section – B (2 Marks Each)

11. Transpiration is necessary evil. Justify the statement.

12. Write short note on Excretion in plants.

Section – C (3 Marks Each)

13. How is urine produced ?

14. Draw well labelled diagram of excretory system & also write the function of each part of it.

15. Write the function of each of the following-

a. Blood platelets

b. Lymph

c. Nephron .

Section – D (5 Marks)

16. Draw a neat and labelled diagram of human circulatory system & also write about circulatory pathway.

CASE BASED STUDY (5 Marks)

17. The excretory system of human beings includes a pair of kidneys, a pair of ureters, a urinary bladder and a urethra. Kidneys are located in the abdomen, one on either side of the backbone. Urine produced in the kidneys passes through the ureters into the urinary bladder where it is stored until it is released through the urethra.

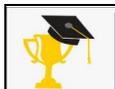
i) What is the purpose of making urine?

ii) What is Bowman's capsule?

iii) What is dialysis?

iv) What is the function of urinary bladder?

v) What are the different parts of nephrons?



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