

NEET EXCRETORY PRODUCTS AND THEIR ELIMINATION — HUMAN EXCRETORY SYSTEM, STRUCTURE OF NEPHRON — PYQS

Max. Marks: 20

Questions: 5

Section A (MCQ) — 5 questions

Q.1 Choose the correct statement given below regarding juxta medullary nephron. [NEET (UG) 2024]

- (1) Juxta medullary nephrons are located in the columns of Bertini.
- (2) Renal corpuscle of juxta medullary nephron lies in the outer portion of the renal medulla.
- (3) Loop of Henle of juxta medullary nephron runs deep into medulla.
- (4) Juxta medullary nephrons outnumber the cortical nephrons.

Scan or tap for the full solution



Q.2 Given below are two statements: one is labelled as **Assertion (A)** and the other is labelled as **Reason (R)**.

Assertion (A): Nephrons are of two types: Cortical & Juxta medullary, based on their relative position in cortex and medulla.

Reason (R): Juxta medullary nephrons have short loop of Henle whereas, cortical nephrons have longer loop of Henle.

In the light of the above statements, choose the correct answer from the options given below:

[NEET (UG) 2023]

- (1) Both A and R are true but R is NOT the correct explanation of A.
- (2) A is true but R is false.
- (3) A is false but R is true.
- (4) Both A and R are true and R is the correct explanation of A.

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Q.3 Match the items given in **column I** with those in **column II** and select the correct option given below. [NEET 2018]

Column I (Function)		Column II (Part of excretory system)	
a.	Ultrafiltration	i.	Henle's loop
b.	Concentration of urine	ii.	Ureter

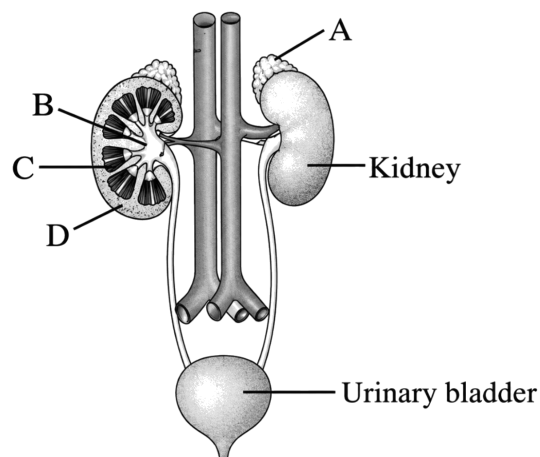
Column I (Function)		Column II (Part of excretory system)	
c.	Transport of urine	iii.	Urinary bladder
d.	Storage of urine	iv.	Malpighian corpuscle
		v.	Proximal convoluted tubule

- (1) (a)-(iv), (b)-(i), (c)-(ii), (d)-(iii)
- (2) (a)-(iv), (b)-(v), (c)-(ii), (d)-(iii)
- (3) (a)-(v), (b)-(iv), (c)-(i), (d)-(iii)
- (4) (a)-(v), (b)-(iv), (c)-(i), (d)-(ii)

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Q.4 Figure shows human urinary system with structures labelled A to D. Select option which correctly identifies them and gives their characteristic and/or functions. [NEET 2013]



- (1) A - Adrenal gland - located at the anterior part of kidney. Secrete catecholamines which stimulate glycogen breakdown.
- (2) C - Medulla - inner zone of kidney and contains complete nephrons.
- (3) B - Pelvis - broad funnel shaped space inner to hilum, directly connected to loops of Henle.
- (4) D - Cortex - outer part of kidney and do not contain any part of nephrons.

Scan or tap for the
full solution



Q.5 Which one of the following is not a part of a renal pyramid?
[AIPMT 2011 (Prelims)]

- (1) Peritubular capillaries
- (2) Convoluted tubules
- (3) Collecting ducts
- (4) Loop of Henle

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full solution



ANSWER KEY

Ques.	1	2	3	4	5						
Ans.	3	2	1	1	2						