

NEET EXCRETORY PRODUCTS AND THEIR ELIMINATION — MODES OF EXCRETION (AMMONOTELIC, UREOTELIC, URICOTELIC) — PYQS

Max. Marks: 56

Questions: 14

Section A (MCQ) — 14 questions

Q.1 Match **List I** with **List II**.

List I		List II	
A.	<i>Taenia</i>	I.	Nephridia
B.	<i>Paramoecium</i>	II.	Contractile vacuole
C.	<i>Periplaneta</i>	III.	Flame cells
D.	<i>Pheretima</i>	IV.	Uricose gland

Choose the correct answer from the options given below : [NEET (UG) 2023]

- (1) A-I, B-II, C-IV, D-III (2) A-III, B-II, C-IV, D-I
(3) A-II, B-I, C-IV, D-III (4) A-I, B-II, C-III, D-IV

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Q.2 Nitrogenous waste is excreted in the form of pellet or paste by : [NEET (UG) 2022]

- (1) *Ornithorhynchus* (2) *Salamandra*
(3) *Hippocampus* (4) *Pavo*

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Q.3 In mammals, which blood vessel would normally carry largest amount of urea? [NEET 2016 (Phase 1)]

- (1) Hepatic Vein (2) Hepatic Portal Vein
(3) Renal Vein (4) Dorsal Aorta

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Q.4 The body cells in cockroach discharge their nitrogenous waste in the haemolymph mainly in the form of - [AIPMT 2015]

- (1) Urea (2) Potassium urate
(3) Calcium carbonate (4) Ammonia

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Q.5 Select the option which shows correct matching of animal with its excretory organ and excretory product. [NEET 2013 (Karnataka)]

Animal	Excretory organ	Excretory product
(1) Labeo (Rohu)	Nephridial tubes	Ammonia

Animal	Excretory organ	Excretory product
(2) Salamander	Kidneys	Urea

Animal	Excretory organ	Excretory product
(3) Peacock	Kidneys	Urea

Animal	Excretory organ	Excretory product
(4) Housefly	Renal tubules	Uric acid

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Q.6 Which one of the following options gives the correct categorization of six animals according to the type of nitrogenous waste they give out?

[AIPMT 2012 (Mains)]

Ammonotelic	Ureotelic	Uricotelic
(1) Pigeon, humans	Aquatic amphibia, lizards	Cockroach

Ammonotelic	Ureotelic	Uricotelic
(2) Frog, lizards	Aquatic amphibia, humans	Cockroach

Ammonotelic	Ureotelic	Uricotelic
(3) Aquatic amphibia	Frog, humans	Pigeon, lizards, coc

Ammonotelic	Ureotelic	Uricotelic
(4) Aquatic amphibia	Cockroach, humans	Frog, pigeon,

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Q.7 Uricotelic mode of excreting nitrogenous wastes is found in [AIPMT 2011 (Mains)]

- (1) reptiles and birds
(2) birds and annelids
(3) amphibians and reptiles
(4) insects and amphibians.

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Q.8 In which one of the following organisms its excretory organs are correctly stated?

[AIPMT 2010 (Mains)]

- (1) Humans :- Kidneys, sebaceous glands and tear glands
 (2) Earthworm :- Pharyngeal, integumentary and septal nephridia
 (3) Cockroach :- Malpighian tubules and enteric caeca
 (4) Frog :- Kidneys, skin and buccal epithelium

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Q.9 The principal nitrogenous excretory compound in humans is synthesised [AIPMT 2010 (Prelims)]

- (1) in kidneys but eliminated mostly through liver
 (2) in kidneys as well as eliminated by kidneys
 (3) in liver and also eliminated by the same through bile
 (4) in the liver, but eliminated mostly through kidneys

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Q.10 Uric acid is the chief nitrogenous component of the excretory products of [AIPMT 2009]

- (1) earthworm (2) cockroach
 (3) frog (4) man.

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Q.11 Earthworms are - [AIPMT 2006]

- (1) Uricotelic when plenty of water is available
 (2) Ammonotelic when plenty of water is available
 (3) Ureotelic when plenty of water is available
 (4) Uricotelic under conditions of water scarcity

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Q.12 In ornithine cycle, which of the following wastes are removed from the blood? [AIPMT 2005]

- (1) CO₂ and urea (2) Ammonia and urea
 (3) CO₂ and ammonia (4) Urea and urine

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Q.13 Uricotelism is found in [AIPMT 2004]

- (1) mammals and birds
 (2) fish and fresh water protozoans
 (3) birds, land reptiles and insects
 (4) frogs and toads

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Q.14 Conversion of ammonia to urea is done by

[AIPMT 2000]

- (1) ornithine cycle (2) arginine cycle
 (3) fumaric cycle (4) citrulline cycle

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ANSWER KEY

Ques.	1	2	3	4	5	6	7	8	9	10	11
Ans.	2	4	1	2	2	3	1	2	4	2	2
Ques.	12	13	14								
Ans.	3	3	1								