

NEET STRUCTURAL ORGANISATION IN ANIMALS — EARTHWORM: MORPHOLOGY AND ANATOMY (OLD SYLLABUS) — PYQS

Max. Marks: 32

Questions: 8

Section A (MCQ) — 8 questions

Q.1 Following are the statements about prostomium of earthworm.

- A. It serves as a covering for mouth.
- B. It helps to open cracks in the soil into which it can crawl.
- C. It is one of the sensory structures.
- D. It is the first body segment.

Choose the correct answer from the options given below.

[NEET (UG) 2021]

- (1) B and C only (2) A, B and C only
- (3) A, B and D only (4) A, B, C and D

Scan or tap for the
full solution



Q.2 *Pheretima* and its close relatives derive nourishment from

[AIPMT 2012 (Prelims)]

- (1) sugarcane roots
- (2) decaying fallen leaves and soil organic matter
- (3) soil insects
- (4) small pieces of fresh fallen leaves of maize, etc.

Scan or tap for the
full solution



Q.3 Which one of the following structures in *Pheretima* is correctly matched with its function ?

[AIPMT 2011 (Mains)]

- (1) Gizzard - absorbs digested food
- (2) Setae - defence against predators
- (3) Typhlosole - storage of extra nutrients
- (4) Clitellum - secretes cocoon

Scan or tap for the
full solution



Q.4 One very special feature in the earthworm *Pheretima* is that :

[AIPMT 2011 (Prelims)]

- (1) The S-shaped setae embedded in the integument are the defensive weapons used against the enemies
- (2) It has a long dorsal tubular heart
- (3) The typhlosole greatly increases the effective absorption area of the digested food in the intestine
- (4) Fertilisation of eggs occurs inside the body

Scan or tap for the
full solution



Q.5 If a live earthworm is pricked with a needle on its outer surface without damaging its gut, the fluid that comes out is

[AIPMT 2009]

- (1) coelomic fluid (2) haemolymph
- (3) slimy mucus (4) excretory fluid

Scan or tap for the
full solution



Q.6 Which one of the following correctly describes the location of some body parts in the earthworm *Pheretima*?

[AIPMT 2009]

- (1) Two pairs of testes in 10th and 11th segments.
- (2) One pair of ovaries attached at intersegmental septum of 14th and 15th segments.
- (3) Two pairs of accessory glands in 16–18 segments
- (4) Four pairs of spermathecae in 4–7 segments

Scan or tap for the
full solution



Q.7 Earthworms have no skeleton but during burrowing the anterior end becomes turgid and acts as a hydraulic skeleton. It is due to:

[AIPMT 2008]

- (1) coelomic fluid (2) gut peristalsis
- (3) blood (4) setae

Scan or tap for the
full solution



Q.8 Primary function of enteronephric nephridia of *Pheretima*:

[AIPMT 2000]

- (1) Excretion of nitrogenous waste
- (2) Locomotion
- (3) Osmoregulation
- (4) Respiration

Scan or tap for the
full solution



ANSWER KEY

Ques.	1	2	3	4	5	6	7	8			
Ans.	2	2	4	3	1	1	1	3			