

NEET ANIMAL KINGDOM — PHYLUM HEMICHORDATA AND CHORDATA (UROCHORDATA, CEPHALOCHORDATA) — PYQS

Max. Marks: 60

Questions: 15

Section A (MCQ) — 15 questions

Q.1 Which of the following is not a characteristic of chordates? [RE-NEET (UG) 2026]

- (1) Presence of post anal part (tail)
- (2) Presence of notochord
- (3) Central nervous system is dorsal
- (4) Absence of gills

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): All vertebrates are chordates but all chordates are not vertebrates.

Reason (R): The members of subphylum Vertebrata possess notochord during the embryonic period, the notochord is replaced by cartilaginous or bony vertebral column in adults.

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

[NEET (UG) 2025]

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

Scan or tap for the full solution



Q.3 Match **List I** with **List II**:

List - I		List - II	
A.	<i>Pleurobrachia</i>	I.	Mollusca
B.	Radula	II.	Ctenophora
C.	Stomochord	III.	Osteichthyes
D.	Air bladder	IV.	Hemichordata

Choose the correct answer from the options given below :

[NEET (UG) 2024]

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

Scan or tap for the full solution



Q.4 The following are the statements about non-chordates:

- A. Pharynx is perforated by gill slits.
- B. Notochord is absent.
- C. Central nervous system is dorsal.
- D. Heart is dorsal if present.
- E. Post anal tail is absent.

Choose the most appropriate answer from the options given below:

[NEET (UG) 2024]

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

Scan or tap for the full solution



Q.5 Given below are two statements: One is labelled as **Assertion A** and the other is labelled as **Reason R**.

Assertion (A): Members of subphylum vertebrata possess notochord during the embryonic period. The notochord is replaced by a cartilaginous or bony vertebral column in the adult.

Reason (R): Thus all chordates are vertebrates not all vertebrates are chordates.

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

[RE-NEET (UG) 2024]

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

Scan or tap for the full solution



Q.6 Select the correct statements with reference to chordates.

Choose the correct answer from the options given below:

- A. Presence of a mid-dorsal, solid and double nerve cord.
- B. Presence of closed circulatory system.
- C. Presence of paired pharyngeal gill slits.

- D. Presence of dorsal heart
E. Triploblastic pseudocoelomate animals.

[NEET (UG) 2023]

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

Scan or tap for the
full solution

Q.7 Given below are two statements : one is labelled as **Assertion (A)** and the other is labelled as **Reason (R)**.

Assertion (A): All vertebrates are chordates but all chordates are not vertebrates.

Reason (R): Notochord is replaced by vertebral column in the adult vertebrates.

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

[NEET (UG) 2022]

- (1) Both (A) and (R) are correct and (R) is the correct explanation of (A)
(2) Both (A) and (R) are correct but (R) is not the correct explanation of (A)
(3) (A) is correct but (R) is not correct
(4) (A) is not correct but (R) is correct

Scan or tap for the
full solution

Q.8 Which of the following statements are true for the phylum-Chordata?

- (i) In Urochordata notochord extends from head to tail and it is present throughout their life.
(ii) In Vertebrata notochord is present during the embryonic period only.
(iii) Central nervous system is dorsal and hollow.
(iv) Chordata is divided into 3 subphyla: Hemichordata, Tunicata and Cephalochordata.

[NEET (UG) 2020]

- (1) (iii) and (i) (2) (i) and (ii)
(3) (ii) and (iii) (4) (iv) and (iii)

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full solution

Q.9 Important characteristic that hemichordates share with chordates is

[NEET 2017]

- (1) ventral tubular nerve cord
(2) pharynx with gill slits
(3) pharynx without gill slits
(4) absence of notochord

Scan or tap for the
full solution

Q.10 Which one of the following statements is totally wrong about the occurrence of notochord, while the other three are correct?

[AIPMT 2011 (Mains)]

- (1) It is present only in larval tail in ascidian.
(2) It is replaced by a vertebral column in adult frog.
(3) It is absent throughout life in humans from the very beginning.
(4) It is present throughout life in *Amphioxus*.

Scan or tap for the
full solution

Q.11 Crocodile and penguin are similar to whale and dogfish in which one of the following features?

[AIPMT 2010 (Mains)]

- (1) Possess a solid single stranded central nervous system
(2) Lay eggs and guard them till they hatch
(3) Possess bony skeleton
(4) Have gill slits at some stage

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full solution

Q.12 Which one of the following is a matching pair of body feature and the animal possessing it?

[AIPMT 2007]

- (1) Ventral central nervous system – Leech
(2) Pharyngeal gill slits absent in embryo – *Chamaeleon*
(3) Ventral heart – Scorpion
(4) Post-anal tail – *Octopus*

Scan or tap for the
full solution

Q.13 In which of the following, notochord is present in embryonic stage?

[AIPMT 2002]

- (1) All chordates (2) Some chordates
(3) Vertebrates (4) Non-chordates

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full solution

Q.14 In which of the following animals post-anal tail is found?

[AIPMT 2001]

- (1) Earthworm (2) Lower invertebrates
(3) Scorpion (4) Snake

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full solution

Q.15 Which of the following characters is absent in all chordates?

[AIPMT 2000]

- (1) Diaphragm (2) Coelom
(3) Pharyngeal gill clefts (4) Dorsal nerve cord

Scan or tap for the
full solution

ANSWER KEY

Ques.	1	2	3	4	5	6	7	8	9	10	11
Ans.	4	3	2	3	1	1	1	3	2	3	4
Ques.	12	13	14	15							
Ans.	1	1	4	1							