PYQSide PYQSide.com — free PYQs with solutions Powered by TestBlink

NEET ANIMAL KINGDOM — PYQS

Max. Marks: 484 **Questions:** 121

Section A (MCQ) — 121 questions

Q.1 The flightless bird with forelimbs modified as paddle-like structures suited for swimming is known as: [NEET (UG) 2026]

(1) *Psittacula* (2) *Aptenodytes*
(3) *Neophron* (4) *Struthio*

Scan or tap for the full solution

Q.2 Select the incorrect statements from the following:

A. Digestive system in Platyhelminthes is incomplete.
B. Bilateral symmetry is a characteristic feature of adult Echinoderms.
C. Pseudocoelom is possessed by Aschelminthes.
D. Notochord is persistent throughout life in the class Chondrichthyes.
E. Members of class Reptilia maintain a constant body temperature.

Choose the answer from the options given below: [NEET (UG) 2026]

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

Scan or tap for the full solution

Q.3 A group of researchers procured some fish-like animals and upon investigation the following characters were observed:

Which of the following species of animals did they consider to fit best with these characters ?

A. Endoskeleton was made of cartilage.
B. Ectoparasitic; as they were found attached on fish skin with their circular sucking mouth.
C. Paired fins and scales were absent, but 7 pairs of gill slits were present. [NEET (UG) 2026]

(1) *Scoliodon* sp. (2) *Exocoetus* sp.
(3) *Petromyzon* sp. (4) *Branchiostoma* sp.

Scan or tap for the full solution

Q.4 Select the set of fishes which belong to the class Osteichthyes: [NEET (UG) 2026]

(1) Saw fish, Fighting fish and Dog fish
(2) Devil fish, Cuttlefish and Hagfish
(3) Starfish, Hagfish and Cuttlefish
(4) Flying fish, Angel fish and Fighting fish

Scan or tap for the full solution

Q.5 Given below are two statements:

Statement-I: The class name Reptilia refers to creeping or crawling mode of locomotion.

Statement-II: All organisms belonging to Reptilia have three chambered heart.

In the light of the above statements, choose the most appropriate answer from the options given below: [RE-NEET (UG) 2026]

(1) Statement-I is incorrect but Statement-II is correct
(2) Both Statement-I and Statement-II are correct
(3) Both Statement-I and Statement-II are incorrect
(4) Statement-I is correct but Statement-II is incorrect

Scan or tap for the full solution

Q.6 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.7 Given below are two statements:

Statement-I: When any plane passing through the central axis of the body divides the organism into two identical halves, it is called radial symmetry.

Statement-II: In phylum Echinodermata, both adults and larvae are radially symmetrical.

In the light of the above statements, choose the most appropriate answer from the options given below: [RE-NEET (UG) 2026]

(1) Statement-I is incorrect but Statement-II is correct
(2) Both Statement-I and Statement-II are correct
(3) Both Statement-I and Statement-II are incorrect
(4) Statement-I is correct but Statement-II is incorrect

Scan or tap for the full solution

Q.8 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.9 All living members of the class Cyclostomata are : [NEET (UG) 2025]

(1) Symbiotic (2) Ectoparasite
(3) Free living (4) Endoparasite

Scan or tap for the full solution

Q.10 Role of the water vascular system in Echinoderms is :
A. Respiration and Locomotion
B. Excretion and Locomotion
C. Capture and transport of food
D. Digestion and Respiration
E. Digestion and Excretion
Choose the correct answer from the options given below : [NEET (UG) 2025]

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

Scan or tap for the full solution

Q.11 While trying to find out the characteristic of a newly found animal, a researcher did the histology of an adult animal and observed a cavity with presence of mesodermal tissue towards the body wall but no mesodermal tissue was observed towards the alimentary canal. What could be the possible coelom of that animal? [NEET (UG) 2025]

(1) Schizocoelomate (2) Spongocoelomate
(3) Acoelomate (4) Pseudocoelomate

Scan or tap for the full solution

Q.12 Match **List I** with **List II**:

List - I		List - II	
A.	*Pleurobrachia*	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.13 Consider the following statements :
A. Annelids are true coelomates
B. Poriferans are pseudocoelomates
C. Aschelminthes are acoelomates
D. Platyhelminthes are pseudocoelomates
Choose the correct answer from the options given below : [NEET (UG) 2024]

(1) B only (2) A only (3) C only (4) D only

Scan or tap for the full solution

Q.14 Match **List I** with **List II** :

List - I		List - II	
A.	*Pterophyllum*	I.	Hag fish
B.	*Myxine*	II.	Saw fish
C.	*Pristis*	III.	Angel fish
D.	*Exocoetus*	IV.	Flying fish

Choose the correct answer from the options given below : [NEET (UG) 2024]

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

Scan or tap for the full solution

Q.15 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.16 Match **List-I** with **List-II**.

List-I		List-II	
A.	Chondrichthyes	I.	*Clarias*
B.	Cyclostomata	II.	*Carcharodon*
C.	Osteichthyes	III.	*Myxine*
D.	Amphibia	IV.	*Ichthyophis*

Choose the correct answer from the options given below: [RE-NEET (UG) 2024]

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

Scan or tap for the full solution

Q.17 Open Circulatory system is present in : [RE-NEET (UG) 2024]

(1) *Palaemon, Nereis, Balanoglossus*
(2) *Hirudinaria, Bombyx, Salpa*
(3) *Anopheles, Limax, Limulus*
(4) *Pheretima, Musca, Pila*

Scan or tap for the full solution

Q.18 Which of the following pairs is an incorrect match? [RE-NEET (UG) 2024]

(1) Annelids and arthropods-Bilateral symmetry
(2) Sponges-Acoelomates
(3) Coelenterates and Ctenophores-Radial symmetry
(4) Platyhelminthes-Diploblastic organisation

Scan or tap for the full solution

Q.19 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.20 Radial symmetry is NOT found in adults of phylum _____. [NEET (UG) 2023]

(1) Hemichordata (2) Coelenterata
(3) Echinodermata (4) Ctenophora

Scan or tap for the full solution

Q.21 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.22 The unique mammalian characteristics are : [NEET (UG) 2023]

(1) hairs, pinna and mammary glands
(2) hairs, pinna and indirect development
(3) pinna, monocondylic skull and mammary glands
(4) hairs, tympanic membrane and mammary glands

Scan or tap for the full solution

Q.23 Exoskeleton of arthropods is composed of: [NEET (UG) 2022]

(1) Cutin (2) Cellulose
(3) Chitin (4) Glucosamine

Scan or tap for the full solution

Q.24 In which of the following animals, digestive tract has additional chambers like crop and gizzard? [NEET (UG) 2022]

(1) *Corvus*, *Columba*, *Chameleon*
(2) *Bufo*, *Balaenoptera*, *Bungarus*
(3) *Catla*, *Columba*, *Crocodilus*
(4) *Pavo*, *Psittacula*, *Corvus*

Scan or tap for the full solution

Q.25 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.26 Which of the following animals has three chambered heart? [NEET (UG) 2022 (Phase 2)]

(1) *Pteropus* (2) *Scoliodon*
(3) *Hippocampus* (4) *Chelone*

Scan or tap for the full solution

Q.27 Select the incorrect statements with respect to Cyclostomes:
A. They lack scales and paired fins.
B. They have circular mouth with jaws.
C. They bear 6-15 pairs of gills.
D. They migrate to deep sea for spawning.
Choose the most appropriate answer from the options given below: [NEET (UG) 2022 (Phase 2)]

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

Scan or tap for the full solution

Q.28 Match the following :

List-I		List-II	
a.	*Physalia*	i.	Pearl oyster
b.	*Limulus*	ii.	Portuguese Man of War
c.	*Ancylostoma*	iii.	Living fossil
d.	*Pinctada*	iv.	Hookworm

Choose the correct answer from the options given below. [NEET (UG) 2021]

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

Scan or tap for the full solution

Q.29 Read the following statements
A. Metagenesis is observed in Helminths.
B. Echinoderms are triploblastic and coelomate animals.
C. Round worms have organ-system level of body organization.
D. Comb plates present in ctenophores help in digestion.
E. Water vascular system is characteristic of Echinoderms.
Choose the correct answer from the options given below. [NEET (UG) 2021]

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

Scan or tap for the full solution

Q.30 Which one of the following belongs to the family Muscidae? [NEET (UG) 2021]

(1) House fly (2) Fire fly
(3) Grasshopper (4) Cockroach

Scan or tap for the full solution

Q.31 Match **List-I** with **List-II**.

List-I		List-II	
a.	Metamerism	i.	Coelenterata
b.	Canal system	ii.	Ctenophora
c.	Comb plates	iii.	Annelida
d.	Cnidoblasts	iv.	Porifera

Choose the correct answer from the options given below. [NEET (UG) 2021]

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

Scan or tap for the full solution

Q.32 Which one of the following organisms bears hollow and pneumatic long bones? [NEET (UG) 2021]

(1) *Ornithorhynchus* (2) *Neophron*
(3) *Hemidactylus* (4) *Macropus*

Scan or tap for the full solution

Q.33 Bilaterally symmetrical and acoelomate animals are exemplified by [NEET (UG) 2020]

(1) Platyhelminthes (2) Aschelminthes
(3) Annelida (4) Ctenophora

Scan or tap for the full solution

Q.34 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)

Scan or tap for the full solution

Q.35 Match the following columns and select the correct option : [NEET (UG) 2020]

Column-I		Column-II	
a.	Gregarious, polyphagous pest	i.	*Asterias*
b.	Adult with radial symmetry and larva with bilateral symmetry	ii.	Scorpion
c.	Book lungs	iii.	*Ctenoplana*
d.	Bioluminescence	iv.	*Locusta*

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

Scan or tap for the full solution

Q.36 Match the following columns and select the correct option : [NEET (UG) 2020]

Column-I		Column-II	
a.	6-15 pairs of gill slits	i.	*Trygon*
b.	Heterocercal	ii.	Cyclostomes
c.	Air Bladder	iii.	Chondrichthyes
d.	Poison sting	iv.	Osteichthyes

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

Scan or tap for the full solution

Q.37 Consider following features:

A. Organ system level of organisation
B. Bilateral symmetry
C. True coelomates with segmentation of body

Select the correct option of animal groups which possess all the above characteristics

[NEET (UG) 2019]

(1) Arthropoda, Mollusca and Chordata
(2) Annelida, Mollusca and Chordata
(3) Annelida, Arthropoda and Chordata
(4) Annelida, Arthropoda and Mollusca

Scan or tap for the full solution

Q.38 Match the following organisms with their respective characteristics:

List-I		List-II	
a.	*Pila*	i.	Flame cells
b.	*Bombyx*	ii.	Comb plates
c.	*Pleurobrachia*	iii.	Radula
d.	*Taenia*	iv.	Malpighian tubules

Select the correct option from the following:

[NEET (UG) 2019]

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

Scan or tap for the full solution

Q.39 Which of the following animals does not undergo metamorphosis? [NEET 2018]

(1) Tunicate (2) Starfish
(3) Earthworm (4) Moth

Scan or tap for the full solution

Q.40 Identify the vertebrate group of animals characterised by crop and gizzard in its digestive system. [NEET 2018]

(1) Amphibia (2) Osteichthyes
(3) Reptilia (4) Aves

Scan or tap for the full solution

Q.41 Which one of these animals is not a homeotherm? [NEET 2018]

(1) *Chelone* (2) *Macropus*
(3) *Psittacula* (4) *Camelus*

Scan or tap for the full solution

Q.42 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.43 Which among these is the correct combination of aquatic mammals? [NEET 2017]

(1) Dolphins, Seals, *Trygon*
(2) Whales, Dolphins, Seals
(3) *Trygon*, Whales, Seals
(4) Seals, Dolphins, Sharks

Scan or tap for the full solution

Q.44 In case of poriferans, the spongocoel is lined with flagellated cells called [NEET 2017]

(1) oscula (2) choanocytes
(3) mesenchymal cells (4) ostia

Scan or tap for the full solution

Q.45 In case of poriferans, the spongocoel is lined with flagellated cells called [NEET 2017]

(1) mesenchymal cells (2) oscula
(3) ostia (4) choanocytes

Scan or tap for the full solution

Q.46 Which of the following characteristic features always holds true for the corresponding group of animals? [NEET 2016 (Phase 1)]

(1) Possess a mouth with an upper and a lower jaw – Chordata
(2) 3-chambered heart with one incompletely divided ventricle – Reptilia
(3) Cartilaginous endoskeleton – Chondrichthyes
(4) Viviparous – Mammalia

Scan or tap for the full solution

Q.47 Which one of the following characteristics is not shared by birds and mammals? [NEET 2016 (Phase 1)]

(1) Viviparity
(2) Warm blooded nature
(3) Ossified endoskeleton
(4) Breathing using lungs

Scan or tap for the full solution

Q.48 Which of the following features is not present in the Phylum Arthropoda? [NEET 2016 (Phase 1)]

(1) Parapodia
(2) Jointed appendages
(3) Chitinous exoskeleton
(4) Metameric segmentation

Scan or tap for the full solution

Q.49 Which of the following features is not present in *Periplaneta americana*? [NEET 2016 (Phase 1)]

(1) Indeterminate and radial cleavage during embryonic development
(2) Schizocoelom as body cavity
(3) Metamerically segmented body
(4) Exoskeleton composed of N-acetylglucosamine

Scan or tap for the full solution

Q.50 Choose the correct statement [NEET 2016 (Phase 2)]

(1) All mammals are viviparous.
(2) All cyclostomes do not possess jaws and paired fins.
(3) All reptiles have a three-chambered heart.
(4) All pisces have gills covered by an operculum.

Scan or tap for the full solution

Q.51 Body having meshwork of cells, internal cavities lined with food filtering flagellated cells and indirect development are the characteristics of Phylum [AIPMT 2015]

(1) Mollusca (2) Protozoa
(3) Coelenterata (4) Porifera.

Scan or tap for the full solution

Q.52 Metagenesis refers to [AIPMT 2015]

(1) occurrence of a drastic change in form during post-embryonic development
(2) presence of a segmented body and parthenogenetic mode of reproduction
(3) presence of different morphic forms
(4) alternation of generation between asexual and sexual phases of an organism.

Scan or tap for the full solution

Q.53 A jawless fish, which lays eggs in fresh water and whose ammocoetes larvae after metamorphosis return to the ocean is [AIPMT 2015]

(1) *Neomyxine* (2) *Petromyzon*
(3) *Eptatretus* (4) *Myxine*

Scan or tap for the full solution

Q.54 Which of the following endoparasites of humans does show viviparity? [AIPMT 2015 (Cancelled)]

(1) *Trichinella spiralis*
(2) *Ascaris lumbricoides*
(3) *Ancylostoma duodenale*
(4) *Enterobius vermicularis*

Scan or tap for the full solution

Q.55 Which of the following represents the correct combination without any exception?
(Characteristics – Class) [AIPMT 2015 (Cancelled)]

(1) Sucking and circular mouth; jaws absent, integument without scales; paired appendages. – Cyclostomata
(2) Body covered with feathers; skin moist and glandular, forelimbs form wings; lungs with air sacs. – Aves
(3) Mammary gland; hair on body; pinnae; two pairs of limbs. – Mammalia
(4) Mouth ventral; gills without operculum; skin with placoid scales; persistent notochord. – Chondrichthyes

Scan or tap for the full solution

Q.56 Which of the following animals is not viviparous? [AIPMT 2015 (Cancelled)]

(1) Platypus (2) Whale
(3) Flying fox (Bat) (4) Elephant

Scan or tap for the full solution

Q.57 Which of the following characteristics is mainly responsible for diversification of insects on land? [AIPMT 2015 (Cancelled)]

(1) Exoskeleton (2) Eyes
(3) Segmentation (4) Bilateral symmetry

Scan or tap for the full solution

Q.58 Select the taxon mentioned that represents both marine and fresh water species. [AIPMT 2014]

(1) Echinoderms (2) Ctenophora
(3) Cephalochordata (4) Cnidaria

Scan or tap for the full solution

Q.59 Which one of the following living organisms completely lacks a cell wall? [AIPMT 2014]

(1) Cyanobacteria (2) Sea-fan (*Gorgonia*)
(3) *Saccharomyces* (4) Blue-green algae

Scan or tap for the full solution

Q.60 *Planaria* possesses high capacity of [AIPMT 2014]

(1) metamorphosis
(2) regeneration
(3) alternation of generation
(4) bioluminescence.

Scan or tap for the full solution

Q.61 *Planaria* possesses high capacity of [AIPMT 2014]

(1) alternation of generation
(2) regeneration
(3) bioluminescence.
(4) metamorphosis

Scan or tap for the full solution

Q.62 A marine cartilaginous fish that can produce electric current is [AIPMT 2014]

(1) *Pristis* (2) *Torpedo*
(3) *Trygon* (4) *Scoliodon*.

Scan or tap for the full solution

Q.63 Which of the following are correctly matched with respect to their taxonomic classification? [NEET 2013]

(1) House fly, butterfly, tsetse fly, silverfish – Insecta
(2) Spiny anteater, sea urchin, sea cucumber – Echinodermata
(3) Flying fish, cuttlefish, silverfish – Pisces
(4) Centipede, millipede, spider, scorpion – Insecta

Scan or tap for the full solution

Q.64 Which group of animals belong to the same phylum? [NEET 2013]

(1) Prawn, Scorpion, *Locusta*
(2) Sponge, Sea anemone, Starfish
(3) Malarial parasite, *Amoeba*, Mosquito
(4) Earthworm, Pinworm, Tapeworm

Scan or tap for the full solution

Q.65 Match the name of the animal (**column I**), with one characteristic (**column II**), and the phylum/class (**column III**) to which it belongs. [NEET 2013]

(1)

Column I	Column II	Column III
Limulus	Body covered by chitinous exoskeleton	Pisces

(2)

Column I	Column II	Column III
Adamsia	Radially symmetrical	Porifera

(3)

Column I	Column II	Column III
Petromyzon	Ectoparasite	Cyclostomata

(4)

Column I	Column II	Column III
Ichthyophis	Terrestrial	Reptilia

Scan or tap for the full solution

Q.66 One of the representatives of Phylum Arthropoda is [NEET 2013]

(1) puffer fish (2) flying fish
(3) cuttle fish (4) silver fish.

Scan or tap for the full solution

Q.67 The characteristics of Class Reptilia are [NEET 2013 (Karnataka)]

(1) body covered with moist skin which is devoid of scales, the ear is represented by a tympanum, alimentary canal, urinary and reproductive tracts open into a common cloaca
(2) fresh water animals with bony endoskeleton, air-bladder to regulate buoyancy
(3) marine animals with cartilaginous endoskeleton, body covered with placoid scales
(4) body covered with dry and cornified skin, scales over the body are epidermal, they do not have external ears.

Scan or tap for the full solution

Q.68 Which one of the following groups of animals reproduces only by sexual means? [NEET 2013 (Karnataka)]

(1) Cnidaria (2) Porifera
(3) Protozoa (4) Ctenophora

Scan or tap for the full solution

Q.69 Which one of the following animals is correctly matched with its one characteristic and the taxon? [NEET 2013 (Karnataka)]

(1)

Animal	Characteristic	Taxon
Millipede	Ventral nerve cord	Arachnida

(2)

Animal	Characteristic	Taxon
Sea anemone	Triploblastic	Cnidaria

(3)

Animal	Characteristic	Taxon
Silverfish	Pectoral and pelvic fins	Chordata

(4)

Animal	Characteristic	Taxon
Duckbilled platypus	Oviparous	Mammalia

Scan or tap for the full solution

Q.70 Sharks and dogfishes differ from skates and rays because [NEET 2013 (Karnataka)]

(1) gill slits are ventrally placed
(2) head and trunk are widened considerably
(3) distinct demarcation between body and tail
(4) their pectoral fins distinctly marked off from cylindrical bodies.

Scan or tap for the full solution

Q.71 Which one of the following pairs of animals are similar to each other pertaining to the feature stated against them? [AIPMT 2012 (Mains)]

(1) *Pteropus* and *Ornithorhynchus* – Viviparity
(2) Garden lizard and crocodile – Three chambered heart
(3) *Ascaris* and *Ancylostoma* – Metameric segmentation
(4) Sea horse and flying fish – Cold blooded (poikilothermal)

Scan or tap for the full solution

Q.72 Which one of the following categories of animals, is correctly described with no single exception in it? [AIPMT 2012 (Mains)]

(1) All reptiles possess scales, have a three chambered heart and are cold blooded (poikilothermal).
(2) All bony fishes have four pairs of gills and an operculum on each side.
(3) All sponges are marine and have collared cells.
(4) All mammals are viviparous and possess diaphragm for breathing.

Scan or tap for the full solution

Q.73 Which one of the following characteristics is common both in humans and adult frogs?
[AIPMT 2012 (Mains)]
(1) Four chambered heart
(2) Internal fertilization
(3) Nucleated RBCs
(4) Ureotelic mode of excretion

Scan or tap for the full solution

Q.74 In which one of the following, the genus name, its two characters and its phylum are not correctly matched, whereas the remaining three are correct?
[AIPMT 2012 (Prelims)]

(1)

Genus name	Two characters	Class/Phylum
Pila	(a) Body segmented (b) Mouth with radula	Mollusca

(2)

Genus name	Two characters	Class/Phylum
Asterias	(a) Spiny skinned (b) Water vascular system	Echinodermata

(3)

Genus name	Two characters	Class/Phylum
Sycon	(a) Pore bearing (b) Canal system	Porifera

(4)

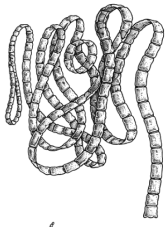
Genus name	Two characters	Class/Phylum
Periplaneta	(a) Jointed appendages (b) Chitinous exoskeleton	Arthropoda

Scan or tap for the full solution

Q.75 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.76 The figures (A – D) show four animals. Select the correct option with respect to a common characteristic of two of these animals.
[AIPMT 2011 (Mains)]

(A) 
(B)
(C)
(D)

(1) (A) and (B) have cnidoblasts for self-defence
(2) (A) and (D) respire mainly through body wall
(3) (C) and (D) have a true coelom
(4) (B) and (C) show radial symmetry

Scan or tap for the full solution

Q.77 What will you look for to identify the sex of the following? [AIPMT 2011 (Prelims)]
(1) Female *Ascaris* – sharply curved posterior end
(2) Male frog – a copulatory pad on the first digit of the hind limb
(3) Female cockroach – anal cerci
(4) Male shark – claspers borne on pelvic fins

Scan or tap for the full solution

Q.78 Which one of the following groups of animals is correctly matched with its characteristic feature without any exception? [AIPMT 2011 (Prelims)]
(1) Reptilia : possess 3-chambered heart with an incompletely divided ventricle
(2) Chordata : possess a mouth with an upper and a lower jaw
(3) Chondrichthyes : possess cartilaginous endoskeleton
(4) Mammalia : give birth to young ones

Scan or tap for the full solution

Q.79 In which one of the following the genus name, its two characters and its class/phylum are correctly matched? [AIPMT 2011 (Prelims)]

(1)

Genus name	Two characters	Class/Phylum
Ascaris	(i) Body segmented (ii) Males and females distinct	Annelida

(2)

Genus name	Two characters	Class/Phylum
Salamandra	(i) A tympanum represents ear (ii) Fertilization is external	Amphibia

(3)

Genus name	Two characters	Class/Phylum
Pteropus	(i) Skin possesses hair (ii) Oviparous	Mammalia

(4)

Genus name	Two characters	Class/Phylum
Aurelia	(i) Cnidoblasts (ii) Organ level of organization	Coelenterata

Scan or tap for the full solution

Q.80 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

Scan or tap for the full solution

Q.81 One example of animals having a single opening to the outside that serves both as mouth as well as anus is [AIPMT 2010 (Prelims)]

(1) *Octopus* (2) *Asterias* (3) *Ascidia* (4) *Fasciola*

Scan or tap for the full solution

Q.82 Which one of the following statements about all the four of *Spongilla*, leech, dolphin and penguin is correct? [AIPMT 2010 (Prelims)]

(1) Penguin is homoiothermic while the remaining three are poikilothermic.
(2) Leech is a fresh water form while all others are marine.
(3) *Spongilla* has special collared cells called choanocytes, not found in the remaining three.
(4) All are bilaterally symmetrical.

Scan or tap for the full solution

Q.83 Which one of the following kinds of animals are triploblastic? [AIPMT 2010 (Prelims)]

(1) Flatworms (2) Sponges
(3) Ctenophores (4) Corals

Scan or tap for the full solution

Q.84 Which one of the following statements about certain given animals is correct? [AIPMT 2010 (Prelims)]

(1) Roundworms (Aschelminthes) are pseudocoelomates
(2) Molluscs are acoelomates
(3) Insects are pseudocoelomates
(4) Flatworms (Platyhelminthes) are coelomates

Scan or tap for the full solution

Q.85 Which one of the following groups of animals is bilaterally symmetrical and triploblastic? [AIPMT 2009]

(1) Aschelminthes (round worms)
(2) Ctenophores
(3) Sponges
(4) Coelenterates (cnidarians)

Scan or tap for the full solution

Q.86 Which one of the following pairs of animals comprises 'jawless fishes'? [AIPMT 2009]

(1) Mackerels and rohu
(2) Lampreys and hagfishes
(3) Guppies and hagfishes
(4) Lampreys and eels

Scan or tap for the full solution

Q.87 *Peripatus* is a connecting link between: [AIPMT 2009]

(1) Ctenophora and Platyhelminthes
(2) Mollusca and Echinodermata
(3) Coelenterata and Porifera
(4) Annelida and Arthropoda

Scan or tap for the full solution

Q.88 Which one of the following in birds indicates their reptilian ancestry? [AIPMT 2008]

(1) Two special chambers crop and gizzard in their digestive tract
(2) Eggs with a calcareous shell
(3) Scales on their hind limbs
(4) Four-chambered heart

Scan or tap for the full solution

Q.89 *Ascaris* is characterized by [AIPMT 2008]

(1) presence of true coelom but absence of metamerism
(2) presence of true coelom and metamerism (metamerisation)
(3) absence of true coelom but presence of metamerism
(4) presence of neither true coelom nor metamerism

Scan or tap for the full solution

Q.90 Which one of the following groups of three animals each is correctly matched with their one characteristic morphological feature? [AIPMT 2008]

(1)

Animals	Morphological features
Scorpion, spider, cockroach	ventral solid central nervous system

(2)

Animals	Morphological features
Cockroach, locust, Taenia	metameric segmentation

(3)

Animals	Morphological features
Liver fluke, sea anemone, sea cucumber	bilateral symmetry

(4)

Animals	Morphological features
Centipede, prawn, sea urchin	jointed appendages

Scan or tap for the full solution

Q.91 Which one of the following phyla is correctly matched with its two general characteristics? [AIPMT 2008]

(1) Echinodermata - pentamerous radial symmetry and mostly internal fertilization
(2) Mollusca - normally oviparous and development through a trochophore or veliger larva
(3) Arthropoda - body divided into head, thorax and abdomen and respiration by tracheae
(4) Chordata - notochord at some stage and separate anal and urinary openings to the outside

Scan or tap for the full solution

Q.92 Which one of the following is not a characteristic of Phylum Annelida? [AIPMT 2008]

(1) Pseudocoelom
(2) Ventral nerve cord
(3) Closed circulatory system
(4) Segmentation

Scan or tap for the full solution

Q.93 Which of the following pairs are correctly matched?

	Animals		Morphological features
(i)	Crocodile	–	4–chambered heart
(ii)	Sea urchin	–	Parapodia
(iii)	Obelia	–	Metagenesis
(iv)	Lemur	–	Thecodont

[AIPMT 2007]

(1) (ii), (iii) and (iv) (2) only (i) and (iv)
(3) only (i) and (ii) (4) (i), (iii) and (iv)

Scan or tap for the full solution

Q.94 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.95 What is common between parrot, platypus and kangaroo? [AIPMT 2007]

(1) Toothless jaws
(2) Functional post-anal tail
(3) Oviparity
(4) Homoiothermy

Scan or tap for the full solution

Q.96 What is true about *Nereis*, scorpion, cockroach and silverfish? [AIPMT 2007]

(1) They all possess dorsal heart.
(2) None of them is aquatic.
(3) They all belong to the same phylum.
(4) They all have jointed paired appendages.

Scan or tap for the full solution

Q.97 Biradial symmetry and lack of cnidoblasts are the characteristic of [AIPMT 2006]

(1) *Hydra* and starfish
(2) starfish and sea anemone
(3) *Ctenoplana* and *Beroe*
(4) *Aurelia* and *Paramecium*

Scan or tap for the full solution

Q.98 Two common characters found in centipede, cockroach, and crab are [AIPMT 2006]

(1) book lungs and antennae
(2) compound eyes and anal cerci
(3) jointed legs and chitinous exoskeleton
(4) green gland and tracheae

Scan or tap for the full solution

Q.99 In which one of the following sets of animals do all the four give birth to young ones? [AIPMT 2006]
(1) Kangaroo, hedgehog, dolphin, Loris
(2) Lion, bat, whale, ostrich
(3) Platypus, penguin, bat, hippopotamus
(4) Shrew, bat, cat, kiwi

Scan or tap for the full solution

Q.100 Metameric segmentation is the characteristic of [AIPMT 2006]
(1) Mollusca and Chordata
(2) Platyhelminthes and Arthropoda
(3) Echinodermata and Annelida
(4) Annelida and Arthropoda

Scan or tap for the full solution

Q.101 Which one of the following is a matching set of a phylum and its three examples? [AIPMT 2006]
(1) Porifera - *Spongilla, Euplectella, Pennatula*
(2) Cnidaria - *Bonellia, Physalia, Aurelia*
(3) Platyhelminthes - *Planaria, Schistosoma, Enterobius*
(4) Mollusca - *Loligo, Teredo, Octopus*

Scan or tap for the full solution

Q.102 Which one of the following has an open circulatory system? [AIPMT 2006]
(1) *Octopus* (2) *Pheretima*
(3) *Periplaneta* (4) *Hirudinaria*

Scan or tap for the full solution

Q.103 In contrast to annelids the platyhelminthes show [AIPMT 2005]
(1) absence of body cavity
(2) bilateral symmetry
(3) radial symmetry
(4) presence of pseudocoel.

Scan or tap for the full solution

Q.104 From the following statements select the wrong one [AIPMT 2005]
(1) Prawn has two pairs of antennae.
(2) Nematocysts are characteristic of the phylum Cnidaria.
(3) Millipedes have two pairs of appendages in each segment of the body.
(4) Animals belonging to phylum Porifera are marine and fresh water.

Scan or tap for the full solution

Q.105 Which one of the following characters is not typical of the class Mammalia? [AIPMT 2005]
(1) Thecodont dentition
(2) Alveolar lungs
(3) Ten pairs of cranial nerves
(4) Seven cervical vertebrae

Scan or tap for the full solution

Q.106 In Arthropoda, head and thorax are often fused to form cephalothorax, but in which one of the following classes, is the body divided into head, thorax and abdomen? [AIPMT 2004]
(1) Insecta
(2) Myriapoda
(3) Crustacea
(4) Arachnida and Crustacea

Scan or tap for the full solution

Q.107 The animals with bilateral symmetry in young stage, and radial pentamerous symmetry in the adult stage, belong to the Phylum [AIPMT 2004]
(1) Annelida (2) Mollusca
(3) Cnidaria (4) Echinodermata

Scan or tap for the full solution

Q.108 One of the following is a very unique feature of the mammalian body [AIPMT 2004]
(1) homeothermy (2) presence of diaphragm
(3) four chambered heart (4) rib cage

Scan or tap for the full solution

Q.109 *Sycon* belongs to a group of animals, which are best described as [AIPMT 2003]
(1) unicellular or acellular
(2) multicellular without any tissue organization
(3) multicellular with a gastrovascular system
(4) multicellular having tissue organization, but no body cavity.

Scan or tap for the full solution

Q.110 During the life-cycle, *Fasciola hepatica* (liver fluke) infects its intermediate host and primary host at the following larval stages respectively [AIPMT 2003]

(1) redia and miracidium
(2) cercaria and redia
(3) metacercaria and cercaria
(4) miracidium and metacercaria

Scan or tap for the full solution

Q.111 Which one of the following is a matching pair of an animal and a certain phenomenon it exhibits? [AIPMT 2003]

(1) *Pheretima* – Sexual dimorphism
(2) *Musca* – Complete metamorphosis
(3) Chameleon – Mimicry
(4) *Taenia* – Polymorphism

Scan or tap for the full solution

Q.112 In which of the following animals nerve cell is present but brain is absent? [AIPMT 2002]

(1) Sponge (2) Earthworm
(3) Cockroach (4) *Hydra*

Scan or tap for the full solution

Q.113 In which of the following, notochord is present in embryonic stage? [AIPMT 2002]

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

Scan or tap for the full solution

Q.114 In which of the following animals, haemocyanin pigment is found? [AIPMT 2001]

(1) Annelida (2) Echinodermata
(3) Insecta (4) Mollusca

Scan or tap for the full solution

Q.115 In which of the following animals post-anal tail is found? [AIPMT 2001]

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

Scan or tap for the full solution

Q.116 In *Hydra*, waste material of food digestion and nitrogenous waste material are removed respectively from [AIPMT 2001]

(1) mouth and mouth
(2) body wall and body wall
(3) mouth and body wall
(4) mouth and tentacles

Scan or tap for the full solution

Q.117 Which of the following animals have scattered cells with cell-tissue grade organisation? [AIPMT 2000]

(1) Sponge (2) *Hydra*
(3) Liver fluke (4) *Ascaris*

Scan or tap for the full solution

Q.118 Similarity in *Ascaris lumbricoides* and *Anopheles stephensi* is [AIPMT 2000]

(1) sexual dimorphism (2) metamerism
(3) anaerobic respiration (4) endoparasitism.

Scan or tap for the full solution

Q.119 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

Q.120 What is true for mammalia? [AIPMT 2000]

(1) Platypus is oviparous.
(2) Bats have feathers.
(3) Elephant is ovoviviparous.
(4) Diaphragm is absent in them.

Scan or tap for the full solution

Q.121 Which gland secretes odorous secretion in mammals? [AIPMT 2000]

(1) Bartholin's (2) Prostate
(3) Anal gland (4) Liver

Scan or tap for the full solution

ANSWER KEY

Ques.	1	2	3	4	5	6	7
Ans.	2	2	3	4	4	4	4
Ques.	8	9	10	11	12	13	14
Ans.	3	2	4	4	2	2	2
Ques.	15	16	17	18	19	20	21
Ans.	3	3	3	4	1	1	1
Ques.	22	23	24	25	26	27	28
Ans.	1	3	4	1	4	4	4
Ques.	29	30	31	32	33	34	35
Ans.	1	1	4	2	1	3	1

Ques.	36	37	38	39	40	41	42
Ans.	**4**	**3**	**4**	**3**	**4**	**1**	**2**
Ques.	43	44	45	46	47	48	49
Ans.	**2**	**2**	**4**	**3**	**1**	**1**	**1**
Ques.	50	51	52	53	54	55	56
Ans.	**2**	**4**	**4**	**2**	**1**	**4**	**1**
Ques.	57	58	59	60	61	62	63
Ans.	**1**	**4**	**2**	**2**	**2**	**2**	**1**
Ques.	64	65	66	67	68	69	70
Ans.	**1**	**3**	**4**	**4**	**4**	**4**	**4**
Ques.	71	72	73	74	75	76	77
Ans.	**4**	**2**	**4**	**1**	**3**	**3**	**4**
Ques.	78	79	80	81	82	83	84
Ans.	**3**	**2**	**4**	**4**	**3**	**1**	**1**
Ques.	85	86	87	88	89	90	91
Ans.	**1**	**2**	**4**	**3**	**4**	**1**	**3**
Ques.	92	93	94	95	96	97	98
Ans.	**1**	**4**	**1**	**4**	**1**	**3**	**3**
Ques.	99	100	101	102	103	104	105
Ans.	**1**	**4**	**4**	**3**	**1**	**1**	**3**
Ques.	106	107	108	109	110	111	112
Ans.	**1**	**4**	**2**	**2**	**4**	**2**	**4**
Ques.	113	114	115	116	117	118	119
Ans.	**1**	**4**	**4**	**3**	**2**	**1**	**1**
Ques.	120	121					
Ans.	**1**	**3**					