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NEET ANIMAL KINGDOM — VERTEBRATA: AMPHIBIA, REPTILIA, AVES, MAMMALIA — PYQS

Max. Marks: 92 **Questions:** 23

Section A (MCQ) — 23 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*

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Q.2 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

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Q.3 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

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Q.4 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*

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Q.5 Which of the following animals has three chambered heart? [NEET (UG) 2022 (Phase 2)]

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

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Q.6 Which one of the following organisms bears hollow and pneumatic long bones? [NEET (UG) 2021]

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

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Q.7 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

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Q.8 Which one of these animals is not a homeotherm? [NEET 2018]

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

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Q.9 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

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Q.10 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

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Q.11 Which of the following animals is not viviparous?

[AIPMT 2015 (Cancelled)]

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

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Q.12 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.

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Q.13 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

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Q.14 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

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Q.15 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/Ph
Ascaris	(i) Body segmented (ii) Males and females distinct	Annelida

(2)

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

(3)

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

(4)

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

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Q.16 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

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Q.17 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)

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Q.18 What is common between parrot, platypus and kangaroo? [AIPMT 2007]
(1) Toothless jaws
(2) Functional post-anal tail
(3) Oviparity
(4) Homoiothermy

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Q.19 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

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Q.20 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

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Q.21 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

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Q.22 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.

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Q.23 Which gland secretes odorous secretion in mammals? [AIPMT 2000]
(1) Bartholin's (2) Prostate
(3) Anal gland (4) Liver

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ANSWER KEY

Ques.	1	2	3	4	5	6	7	8	9	10	11
Ans.	2	4	1	4	4	2	4	1	2	1	1
Ques.	12	13	14	15	16	17	18	19	20	21	22
Ans.	4	4	4	2	3	4	4	1	3	2	1
Ques.	23										
Ans.	3										