



BIOLOGY

BOOKS - TRUEMAN BIOLOGY

ANIMAL KINGDOM - PHYLUM CHORDATA

Multiple Choice Questions

1. Which of the following is not a protochordate?

- A. Herdmania
- B. Amphioxus
- C. Salpa
- D. Petromyzon

Answer: D



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2. Notochord is restricted to the tail region in

- A. hemichordata
- B. urochordata
- C. cephalochordata
- D. vertebrata

Answer: B

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3. A free swimming urochordate is

- A. Botryllus
- B. Ciona
- C. Herdmania

D. Salpa

Answer: D



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4. At retrogressive metamorphosis the urochordate larva

A. loses notochord

B. loses tail

C. experiences reduction of nervous system to a visceral ganglion

D. all the above

Answer: D



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5. Colonial urochordate is

A. Ciona

B. Doliolum

C. Pyrosoma

D. Salpa

Answer: C



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6. In Urochordate larva is known as

A. bipinnaria

B. tadpole larva

C. pluteus

D. tornaria

Answer: B



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7. In Urochordate the basic chordate characters are present

- A. in adults only
- B. in larval stage only
- C. both in larval and adult stages
- D. none of the above

Answer: B



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8. What is unique in the blood circulation of Herdmania?

- A. Its slow beat
- B. To generate high blood pressure
- C. Its immense cardiac output

D. Its ability to reverse the direction of blood flow when heart contracts

Answer: D



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9. In Herdmania, excretion is carried out by

A. Kolliker's pit

B. protonephridia

C. solenocytes

D. neural gland

Answer: D



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10. Spicules are found in

A. Herdmania

B. Sycon

C. Salpa

D. Both (1) & (2)

Answer: D



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11. Test (tunic) of Herdmania is a thick protective covering. The test is composed of tunicine which is a

A. protein

B. fat

C. polysaccharide

D. nucleic acid

Answer: C



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12. During retrogressive metamorphosis of the ascidian tadpole, which one of the following does not regress?

- A. Caudal myotomes
- B. Gill slits
- C. Nerve cord
- D. Notochord

Answer: B



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13. Members of Cephalochordata are

- A. carnivorous
- B. filter feeders
- C. mucous feeders
- D. predators

Answer: B

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14. Cephalochordates are

- A. exclusively fresh water animals
- B. exclusively marine animals
- C. able to live in estuarine waters
- D. Both (1) & (2)

Answer: B

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15. Amphioxus has

- A. one eye spot
- B. two eyes spots
- C. many eye spots
- D. none of the these

Answer: C



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16. Which is not a vertebrate

- A. Oryctolagus
- B. Fish
- C. Sparrow

D. Amphioxus

Answer: D



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17. Hatschek's nephridium is present in

A. Herdmania

B. Branchiostoma

C. Labeo

D. Frog

Answer: B



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18. In cephalochordates, the circulatory system is peculiar because

- A. heart is absent
- B. blood corpuscles are absent
- C. blood is colourless
- D. all the above

Answer: D

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19. Kolliker's pit of Amphioxus is concerned with sense of

- A. sight
- B. smell
- C. taste
- D. touch

Answer: B

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20. Wheel organ of Amphioxus is also called

- A. ciliated organ of Muller
- B. rotatory organ
- C. organ of Corti
- D. (1) and (2)

Answer: D



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21. Velum of Branchiostoma is a

- A. part of oral hood
- B. part of notochord
- C. circular diaphragm

D. myotome

Answer: C



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22. Hepatic portal vein is found in

A. Herdmania

B. Vertebrates

C. Branchiostoma

D. (2) and (3)

Answer: D



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23. which one feature is common to Amphioxus , frog sea horse and crocodile

- A. Skeleton of cartilage and bone
- B. Three chambered heart
- C. Pharyngeal gill slits at least in developmental stages
- D. Dorsal solid nerve cord

Answer: C



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24. The animal having notochord throughout life is

- A. 1) Birds
- B. 2) Fish
- C. 3) Snake
- D. 4) Amphioxus

Answer: D

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25. Three fundamental characters of all chordates are

- A. dorsal tubular nerve cord, diaphragm, notochord
- B. Notochord, diaphragm, gill slits
- C. Gill slits, diaphragm, dorsal tubular nerve cord
- D. Notochord, gill slits, dorsal tubular nerve cord

Answer: D

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26. The postanal tail is present in

- A. Chordates

B. Vertebrates

C. Invertebrates

D. in all of them

Answer: A



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27. In which of the following animals notochord is not present

A. Adult tunicate

B. Herdmania

C. Myxine

D. Balanoglossus

Answer: A



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28. Paired appendages are not found in

- A. 1)hemichordates
- B. 2)urochordates
- C. 3)cephalochordates
- D. 4)all the these

Answer: D



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29. Hepatic portal system is present in

- A. all chordates
- B. all vertebrates
- C. both (1) & (2)
- D. none of these

Answer: B



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30. All vertebrates except Myxine are

- A. unisexual
- B. bisexual
- C. both (1) & (2)
- D. none of these

Answer: A



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31. Fish vertebrates originated during

- A. devonian

B. silurian

C. carboniferous

D. ordovician

Answer: D



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32. Lateral line sense organs are present in

A. cyclostomes

B. fishes

C. amphibians

D. all of these

Answer: D



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33. Stomach is absent in

- A. cyclostomes
- B. Labeo
- C. both (1) & (2)
- D. none of these

Answer: C



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34. Electric organs are modified

- A. Nerves
- B. Muscles
- C. Tendon
- D. Ligament

Answer: B



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35. Name of the larva of Petromyzon is

A. trochophore

B. tornaria

C. tadpole

D. ammocoete

Answer: B



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36. Mermaid's purse refers to

A. a colony of sharks and skates

- B. brood pouch of sea horse
- C. egg capsules of sharks and skates
- D. all of the above

Answer: C

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37. Hag fishes are exclusively marine and primarily

- A. predators
- B. parasites
- C. herbivorous
- D. scavengers

Answer: C

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38. Which fish was introduced into India recently from South America only for its larvicidal propensity ?

- A. Solea
- B. Hippocampus
- C. Gambusia
- D. Catla

Answer: D



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39. Which of these is a living fossil?

- A. Labeo
- B. Mystus
- C. Tertradon
- D. Latimeria

Answer: A



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40. Eye lids are absent in

A. 1)Fish

B. 2)Bird

C. 3)Frog

D. 4)Mammal

Answer: A



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41. Air bladder is

A. respiratory organ of insects

- B. excretory organ of mammals
- C. a cnidarian
- D. hydrostatic organ of bony fishes

Answer: D



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42. Pharyngeal gill-slits are found in

- A. Cray fish
- B. Dog fish
- C. Cuttle fish
- D. Silver fish

Answer: B



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43. Bony fishes are

- A. ammonotelic
- B. ureotelic
- C. uricotelic
- D. both (2) and (3)

Answer: A



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44. Placoid scales are found in

- A. cartilaginous fishes
- B. bony fishes
- C. palaeontological fishes
- D. Lung fishes

Answer: A



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45. The heart of fishes is called venous or branchial heart because

- A. the heart sends blood to veins
- B. the heart contains only non-aerated venous blood
- C. the heart contains only aerated venous blood
- D. the heart sends aerated blood to gills

Answer: B



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46. Cod liver oil is the rich source of

- A. vitamin A

B. calcium

C. vitamin C

D. iron

Answer: C



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47. Which of the fishes is characterised by the presence of sensory barbels around the mouth and is devoid of scales?

A. Rat fish

B. Cat fish

C. Dog fish

D. Porcupine fish

Answer: B



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48. In fishes the lateral line receptors are neuromast organs. These are

- A. olfactoreceptors
- B. gustoreceptors
- C. rheoreceptors
- D. chemoreceptors

Answer: C



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49. In Scoliodon, the thermoreceptors are

- A. ampullae of Lorenzini
- B. lateral line system
- C. neuromast organs
- D. olfactory sac

Answer: A



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50. Parental care by males is found in

A. Hippocampus

B. Labeo

C. Synaptura

D. Anabas

Answer: A



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51. Renal portal system is most development in

A. fishes

B. reptiles

C. amphibians

D. birds

Answer: A



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52. Sharks and rays are studied under the science called

A. ichthyology

B. torpedology

C. traumatology

D. saurology

Answer: B



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53. Which one of the following fishes is named after sky and clouds broken into white parallel masses?

A. Exocoetus

B. Gambusia

C. Mackerel

D. Salmon

Answer: C



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54. Which one is most venomous fish and is commonly called as king of Herrings?

A. Chimaera

B. Echenies

C. Exocoetus

D. Syngnathus

Answer: A



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55. Viviparity is seen in

A. Labeo

B. Scoliodon

C. all fresh water bony fishes

D. all marine bony fishes

Answer: B



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56. Cartilaginous fishes are different from bony fishes in

A. having accessor respiratory devices

B. males without claspers

C. not having a gas filled bladder

D. none of the above

Answer: C

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57. A catadromous fish like *Anguilla* migrates from

A. rivers to sea

B. rivers to estuary

C. sea to rivers

D. deep sea to surface waters.

Answer: B

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58. The Indian carp in which swim bladder is present is

- A. Labeo
- B. Pristis
- C. Torpedo
- D. Scoliodon

Answer: A



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59. Young one of a fish is called

- A. fry
- B. larva
- C. nymph

D. juvenile fish.

Answer: A



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60. If a fish like Rohu is taken out of water it will soon die, because

- A. it cannot breathe as its gills get stuck up
- B. of very rapid evaporation from its skin
- C. its body gets heated up
- D. there is too much oxygen in atmospheric air as compared to that dissolved in water

Answer: A



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61. The largest aquarium in the world is located at

- A. Calcutta
- B. Mumbai
- C. China
- D. United States

Answer: B



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62. A fish thrives better in an aquarium if green plants are growing in it.

This is because

- A. inhale oxygen released by plants
- B. feed on plants
- C. inhale carbon dioxide released by the plants
- D. relish green surrounding.

Answer: A



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63. Anadromous fishes move

- A. sea to fresh water
- B. sea to estuary
- C. estuary to sea
- D. river to sea

Answer: B



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64. In fishes the kidney is

- A. Pronephric

B. Metamorphic

C. Mesonephric

D. Nephridial

Answer: C



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65. Age of fishes is

A. Ordovician period

B. Permian period

C. Devonian period

D. None of these

Answer: C



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66. True fish is

- A. Whale/Cuttle Fish
- B. Silver Fish
- C. Cray Fish /Jelly Fish
- D. Flying Fish/Cat Fish

Answer: D



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67. Branch of biology dealing with study of fishes is

- A. Fishery
- B. Toxicology
- C. Ichthyology
- D. Piscology

Answer: C



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68. Scroll valve in Scoliodon is present in intestine and functions for

- A. 1)delaying the passage of food
- B. 2)increased surface for absorption
- C. 3)respiration
- D. 4)both (1) and (2)

Answer: D



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69. Stenohaline fishes are

- A. marine fishes only

B. those which tolerate narrow range of salinity

C. those which tolerate wide range of salinity

D. fresh water fishes only

Answer: B



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70. Which one belongs to dipnoi?

A. 1) Lung fish

B. 2) Cat fish

C. 3) Rat fish

D. 4) Star fish

Answer: A



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71. In elasmobranchs, oviducts are called

- A. Wolffian ducts
- B. Fallopian tubes
- C. Mullerian ducts
- D. Mullerian bodies

Answer: C



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72. Bombay duck is a

- A. bony fish
- B. cartilaginous fish
- C. cat fish
- D. devil fish

Answer: A



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73. Small fish get stuck near the bottom of a shark and derives its nutrition from it. This kind of association is called as :

- A. symbiosis
- B. commensalism
- C. predation
- D. parasitism

Answer: B



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74. Match the items in column I with column II and choose the correct alternatives.

| Column I (Animal) | Column II (max. Life Span) |
|----------------------|-------------------------------|
| I. Carp | (A) 102 years |
| II. Cobra | (B) 47 years |
| III. Turtle | (C) 152 years |
| IV. Giant Tortoise | (D) 28 years |
| V. Swan | (E) 123 years |

A. I-B, II-D, III-E, IV, C, V-A

B. I-A, II-D, III-C, IV-E, V-B

C. I-B, II-C, III-D, IV-E, V-A

D. I-A, II-C, III-B, IV-E, V-D

Answer: A



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75. Which one is not characteristic feature of subphylum vertebrata?

A. Dorsal tubular nerve cord

- B. Ventral muscular heart
- C. Presence of notochord in the adult
- D. Presence of kidneys

Answer: C



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76. Which one of the following is correctly matched?

- A. Trygon- Monitor
- B. Ichthyopis -Crow
- C. Varanus -Stingray
- D. Pristis - Sawfish

Answer: D



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77. In sharks, one of the following is absent

- A. Claspers
- B. Placoid scales
- C. Cartilaginous endoskeleton
- D. Air bladder

Answer: D



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78. Which of the following fish injures its prey

- A. Clarius
- B. Gambusia
- C. Heterpneustes
- D. Solea

Answer: C



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79. Sea house is

- A. a bird
- B. a mammal
- C. an amphibian
- D. a fish

Answer: D



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80. Ampullae of Lorenzini are present in

- A. fish

B. lizard

C. frog

D. rabbit

Answer: A



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81. Which one of the following pairs of animals comprises "Jawless fishes"

A. Lampreys and hag fishes

B. Guppies and hag fishes

C. Lampreys and eels

D. Mackerals and Rohu

Answer: A



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82. Sharks and rays belong to class

- A. Osteichthyes
- B. Chondrichthyes
- C. Cyclostomata
- D. Amphibian

Answer: B



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83. Retention of larval characters even after sexual maturity is called

- A. parthenogenesis
- B. ontogeny
- C. phylogeny
- D. neoteny

Answer: D



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84. Which one of the following has the embedded scales in the skin?

A. Siren

B. Triturus

C. Uraeotyphlus

D. Xenopus

Answer: C



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85. Age of Amphibians was

A. silurian period

B. carboniferous period

C. Devonian period

D. permian period

Answer: B



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86. Mid-wife toad is another name for

A. Alytes

B. Hyla

C. Rhacophorus

D. Rhinoderma

Answer: A



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87. A neotenic larva is found in

- A. Ambyostoma
- B. Hyla
- C. Rhacophorus
- D. Salamander

Answer: A



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88. Axolotl larva of Ambyostoma normally fails to metamorphose due to

- A. lack of Ca and Mg ions in water
- B. absence of phosphorus in water
- C. lack of iodine in water or diet
- D. high concentration of iodine in the body.

Answer: C



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89. During evolution in which of the following groups, pentadactyl limbs appeared first?

A. Amphibians

B. reptiles

C. Birds

D. Mammals

Answer: A



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90. Which of the following is a tree frog?

A. Alytes

B. Hyla

C. Necturus

D. Rana

Answer: B



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91. Lateral line system found in fishes has been lost in Amphibia because of

A. Development of sturdy legs

B. Change over to herbivorous feeding

C. Occurrence of metamorphosis in Amphibia

D. Evolution of terrestrial habit.

Answer: D

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92. Flying frog is the common name of

- A. Alytes
- B. Bufo
- C. Hyla
- D. Rhacophorus

Answer: D

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93. Presence of gills in the tadpole of frog indicates that :

- A. frog will have gills in future
- B. frog evolved from gilled ancestors
- C. fishes were amphibians in the past

D. fish evolved from frog-like ancestors

Answer: B



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94. Bufo (toad) is different from Rana (frog) in having

- A. an exclusively aquatic life
- B. poorly developed tympanum
- C. smooth and slippery skin
- D. paired parotoid glands situated behind tympanum

Answer: D



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95. Which one of the animals of amphibia has no tongue and limbs?

- A. Amphiuma
- B. Ichthyophis
- C. Necturus
- D. Salamander

Answer: B

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96. Congo eel is

- A. Fish
- B. Bird
- C. Amphibian
- D. Reptile

Answer: C

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97. Which one of the following is a poisonous amphibian?

- A. Hyla
- B. Bufo marinus
- C. Rana tigrina
- D. Necturus

Answer: B



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98. Dicondylic skull with 10 pairs of cranial nerves occur in

- A. Pisces
- B. Amphibia
- C. Reptilia

D. Mammalia

Answer: B



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99. Ancestral amphibians were tetrapods that evolved during :

A. Devonian

B. Carboniferous

C. Cretaceous

D. Jurassic

Answer: A



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100. Surinam Toad is

A. Pipa

B. Alytes

C. Bufo

D. Bombinator

Answer: A



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101. Mesonephric kidney is found in

A. Amphibia

B. Mammalia

C. Reptilia

D. Aves

Answer: A



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102. Epidermal scale is the characteristic feature of class Reptilia. Which of the following is without epidermal outgrowths

- A. Aves
- B. Fish
- C. Mammals
- D. Amphibia

Answer: D



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103. which one is useful in metamorphosis of tadpole into frog.

- A. Oxytocin
- B. Thyroxine
- C. Pituitary hormone

D. Aldosterone

Answer: B



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104. Match the following

Column I

Column II

A Euplectella

1. Sea pen

B Physalia

2 Pinworm

C Pennatula

3 Venus flower basket

D Enterobius

4 Midwife toad

E Alytes

5 Portuguese man of war



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105. the largest RBCs are seen in

A. Elephant

B. Whale

C. Amphibia

D. Man

Answer: C



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106. The pair of Amphibians found in Indian peninsula is

A. 1) Amphiuma

B. 2) Hyla & Ambystoma

C. 3) Tylotriton and Ichthyopsis

D. 4) Psittacus and Apteryx

Answer: C



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107. Which of the following feature is not common between Newt & Hemidactylus

- A. Body is divisible into head, neck, trunk and tail
- B. Head with pair of eyes and tympanic membrane
- C. Trunk has 2 pairs of limbs for locomotion
- D. Heart is 3-chambered

Answer: D



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108. 'Horntoad' is a/an

- A. Fish
- B. amphibian
- C. reptile
- D. mammal

Answer: C



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109. The largest fossil reptiles of Mesozoic era were

- A. Archaeopteryx
- B. Seymouria
- C. Dinosaurs
- D. Sphenodon.

Answer: C



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110. A flying lizard with flying appendages the patagia is

- A. Chameleon

B. Draco

C. Calotes

D. Varanus.

Answer: B



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111. Eggs of birds and reptiles can be designated as

A. alecithal

B. isolecithal

C. telolecithal

D. homolecithal

Answer: C



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112. The most highly advanced character in crocodile is the presence of

- A. powerful jaws
- B. shelled eggs
- C. thecodont dentition
- D. four chambered heart.

Answer: D



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113. Laterally compressed tail is present in

- A. 1)Cobra
- B. 2)Krait
- C. 3)Hydrophis
- D. 4)Russell's viper

Answer: C



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114. Only poisonous lizard of the world is

A. Ophiosaurus

B. Varanus

C. Heloderma

D. Draco

Answer: C



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115. Metanephric kidneys are found in

A. amphibians only

- B. reptiles and birds only
- C. mammals only
- D. reptiles birds and mammals

Answer: D



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116. An aperture called 'Foramen of Panizzae' is present in

- A. 1)the middle ear of reptiles
- B. 2)the cranium of reptiles
- C. 3)the heart of crocodile
- D. 4)the kidney of reptiles

Answer: C



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117. Cloacal respiration is found in

- A. Snakes
- B. Lizards
- C. Chelonians
- D. Alligators

Answer: C



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118. Snake that builds a nest is

- A. marine and poisonous
- B. terrestrial and nonpoisonous
- C. terrestrial and poisonous
- D. fresh-water and nonpoisonous

Answer: C



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119. Which one of the following animals can change its body colour?

- A. Calotes
- B. Chameleon
- C. Varanus
- D. both (1) and (2)

Answer: D



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120. How many occipital condyles are present in the skull of reptiles?

- A. Nil

B. One

C. Two

D. Four

Answer: B



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121. Though snakes have world wide distribution, they are not found in

A. U.S.A

B. Egypt

C. New Zealand

D. U.S.S.R.

Answer: C



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122. In nature if the fangs of a poisonous snake are pulled out or break off, they are

- A. never replaced once broken
- B. lost for ever
- C. replaced within a few days by another fangs
- D. replaced by other teeth but not fangs

Answer: C



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123. Glass snake is a

- A. limbless amphibian
- B. limbless lizard
- C. snake
- D. toy snake

Answer: B



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124. Which one of the following is a viviparous snake?

A. Bungarus

B. Naja naja

C. Natrrix

D. Vipera.

Answer: D



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125. A snake has no ear but it perceives sound through

A. air

B. snout

C. skin

D. tongue

Answer: C



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126. Krait (Bungarus) can be differentiated from other snakes by its

A. hairy body

B. size

C. shield like scales on the head

D. vertebral scales

Answer: D



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127. Study of reptiles is called

- A. Rhinology
- B. Ichthyology
- C. Entomology
- D. Herpetology

Answer: D



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128. In snakes the locomotion is helped by

- A. ribs only
- B. reduced ribs
- C. reduced limbs
- D. ribs and reduced limbs

Answer: A



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129. Which of the following has paddle like limbs?

A. Crocodile

B. Tortoise

C. Turtle

D. Sea snake

Answer: C



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130. Which one is correct matching?

A. Chamaeleon-Binocular vision

B. Varanus - Prehensile tail

C. Heloderma - Poison gland

D. House Lizard - Four chambered heart

Answer: C



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131. Name a reptile which has a rudimentary third eye and is treated as primitive and as connecting link?

A. Angius

B. Naja

C. Sphenodon

D. Ophisaurus

Answer: C



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132. In poisonous snakes the fangs are modified



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133. Typhlops is

A. Blind snake

B. Glass snake

C. Sea snake

D. Tree snake

Answer: A



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134. If the scales on the belly of a snake are small, but the tail is laterally compressed, then it is a

A. Cobra

B. Viper

C. Sea snake

D. Krait

Answer: C



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135. The largest Indian poisonous snake is

A. Blue Krait (Bungarus)

B. Cobra (Naja naja)

C. King cobra (Naja hannah)

D. Python (Ajgar)

Answer: C



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136. Which one is a non-poisonous snake?

- A. Eryx
- B. Python
- C. Viper
- D. both (1) and (2)

Answer: D



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137. In snakes the cloaca receives the opening of

- A. gut
- B. genital system
- C. urinary system

D. gut and urinogenital system.

Answer: D



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138. The reptile without teeth is

A. 1)Chelone

B. 2)Crocodile

C. 3)Lizard

D. 4)Snake

Answer: A



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139. Carapace is present on the dorsal surface of

A. Elephant

B. Tortoise

C. python

D. alligator

Answer: B



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140. Antivenin injections used for snake bite are prepared at

A. I.A.R.I., New Delhi

B. N.D.R.I., Lucknow

C. N.D.R.I., Karnal

D. Haffkine Research Institute, Mumbai

Answer: D



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141. The cobra (*Naja naja*) can be distinguished by the presence of

A. 1) Agile habit

B. 2) Black colour

C. 3) Hood

D. 4) Hood and third supra labial scale touching the eye

Answer: D



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142. Which one of the following snakes has vestigial pelvic girdle?

A. Bungarus

B. Eryx

C. Natrix

D. Python

Answer: D



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143. The venom of Viper affects on

A. 1)circulatory system

B. 2)digestive system

C. 3)excretory system

D. 4)nervous system

Answer: A



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144. Which of the following was connecting link between amphibians and reptiles?

- A. Lycaenops
- B. Latimeria
- C. Seymouria
- D. Archaeopteryx

Answer: C



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145. Gravidalis is found in

- A. South America
- B. England
- C. India
- D. Japan

Answer: C



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146. Outside mammals, diaphragm is also present in

A. crocodiles

B. birds

C. fishes

D. toads

Answer: A



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147. Jacobson's organ is related to

A. taste

B. sight

C. touch

D. smell

Answer: D



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148. Mesozoic era was dominated by

A. Gymnosperms

B. Mammals

C. Dinosaurs

D. Fishes

Answer: C



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149. Poison glands of snake are modified

- A. linguals
- B. sublinguals
- C. maxillaries
- D. parotoids

Answer: D



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150. Which one contains the thecodonts ?

- A. Lacertilia
- B. Crocodilia
- C. Anapsida
- D. Ophidia

Answer: B



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151. Turtles are nearest to

- A. Lizards than snakes
- B. Sphenodon than lizards
- C. Dipnoi than Aves
- D. Crocodiles than lizards, snake & mammals

Answer: B



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152. Land reptiles like lizards and snakes excrete

- A. Ammonia

B. Urea

C. Amino acid

D. Uric acid

Answer: D



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153. Two extra cranial nerves occurring in amniotes are

A. laryngeal and hypoglossal

B. spinal accessory and hypoglossal

C. hypoglossal and facial

D. trigeminal and glossopharyngeal

Answer: B



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154. Development which freed land vertebrates from water was

- A. four appendages
- B. four chambered heart
- C. cleidoic eggs
- D. lungs

Answer: C



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155. A living fossil is

- A. Coelacanth
- B. Limulus
- C. Sphenodon
- D. All the above

Answer: D



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156. Sinus venosus is characteristic of

- A. reptiles and birds
- B. fishes, amphibians and reptiles
- C. birds only
- D. birds and mammals

Answer: B



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157. Which one of the following snakes has sensitive patches called pits that help the snake in tracking down warm blooded animals even in pitch darkness?

A. 1) banded krait

B. 2) cobra

C. 3) green python

D. 4) rattle snake

Answer: D



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158. Most dinosaurs became extinct in

A. early triassic

B. late triassic

C. late jurassic

D. cretaceous

Answer: D



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159. Dentition of Crocodile is

- A. Acrodont
- B. Thecodont
- C. Bunodont
- D. Pleurodont

Answer: B



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160. Loreal pit of Vipers is

- A. thermoreceptor
- B. gustatoreceptor
- C. photoreceptor

D. phonoreceptor

Answer: A



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161. Dinosaurs were dominant during

A. Jurassic

B. Cretaceous

C. Triassic

D. Palaeocene

Answer: A



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162. 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 |

A. only 1 and 4

B. only 1 and 2

C. 1, 3 and 4

D. 2, 3 and 4

Answer: A



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163. Choose the correct statements. (i) Venom of Cobra is neurotoxic (ii)

Venom of sea snake is neurotoxic (iii) Venom of Viper is haemotoxic

A. (i), (ii) and (iii)

B. (i) and (iii)

C. (i) and (ii)

D. (ii) and (iii)

Answer: A



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164. The snake eating snake is

A. black cobra

B. king cobra

C. rattle snake

D. anaconda

Answer: B



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165. Which is the most abundant species of bird in the world?



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166. Penis is present in

A. Vulture

B. Pigeon

C. Cock

D. Duck

Answer: D



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167. What is common between Ostrich penguin and Kiwi ?

A. These are running birds

- B. These have four toes in their feet
- C. These are migratory birds
- D. These are flightless birds

Answer: D



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168. Air sacs of birds are helpful

- A. to lessen body weight
- B. to keep body warm
- C. to regulate body temperature
- D. in blood circulation

Answer: A



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169. Which of the following is associated with hearing in bird?

A. Utriculus

B. Sacculus

C. Lagena

D. Ampulla

Answer: C



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170. Birds have bones which are

A. elastic

B. solid and strong

C. pneumatic

D. non-elastic

Answer: C



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171. Which are the largest birds of the New World?

- A. The common Rheas
- B. The Emu
- C. The giant crane
- D. The ostrich

Answer: A



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172. Which Jurassic period bird had teeth in its beak and is a connecting link between reptiles and birds?

A. Kiwi

B. Ostrich

C. Pellican

D. Archaeopteryx

Answer: D



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173. Which is the best definition of birds?

A. Warm blooded animals

B. Flying animals

C. Feathered bipede

D. Feathered quadrupede

Answer: C



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174. Which one of the following birds has recently become extinct ?

- A. Archaeopteryx
- B. Archaeornis
- C. Dodo
- D. Great Indian Bustard

Answer: C



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175. What is common in birds and mammals?

- A. Presence of claws
- B. Bipedal
- C. Four chambered heart

D. Presence of Pinna.

Answer: C



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176. Foot of Ostrich has

A. only one toe

B. two toes

C. three toes

D. five toes

Answer: B



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177. Which one of the following groups is scavenger birds?

A. 1)Kite, Jungle fowl, Cuckoo, Penguin

B. 2)Vulture, Crow, Hawk, Eagle

C. 3)Turkey, Swan, Crow, Hawk

D. 4)Vulture, Parrot, Hawk, Eagle.

Answer: B



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178. The smallest bird is the

A. Weaver bird

B. Swift

C. Humming bird

D. Shrew

Answer: C



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179. If a bird is transferred from $30^{\circ}C$ to $15^{\circ}C$, the body temperature will change to

- A. 1) $15^{\circ}C$
- B. 2) $20^{\circ}C$
- C. 3) $5^{\circ}C$
- D. 4) No change

Answer: D



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180. Guano is

- A. a kind of down feather
- B. a flightless bird
- C. faecal matter of sea birds, used as fertilizer

D. a fastest flying bird.

Answer: C



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181. The skull of birds is

A. monocondylic

B. dicondylic

C. amphicondylic

D. none of these

Answer: A



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182. Skin of birds contains

- A. sweat glands
- B. oil glands distributed all over the body
- C. oil gland in the region of tail only
- D. specialized sudoriferous glands.

Answer: C

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183. In Pigeon, the milk is secreted in both sexes by which of the following glands?

- A. Gizzard glands
- B. Liver
- C. Crop glands
- D. Salivary glands.

Answer: C

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184. In which period the birds originated?

- A. Cenozoic era
- B. Cretaceous period
- C. Jurassic period
- D. Triassic period

Answer: C

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185. Indian ornithologist known as 'Birdman of India' was

- A. Dr. M.S. Mani
- B. Dr. R. Manocha
- C. Dr. Salim Ali

D. Dr. P.K. Mehta.

Answer: C

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186. Bird's embryo is covered with

A. amnion

B. chorion & allantois

C. yok sac

D. all of these

Answer: D

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187. Which of the following is endangered bird in India?

- A. Peacock
- B. Kite
- C. Eagle
- D. The great Indian Bustard

Answer: D

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188. The female birds have

- A. Paired ovaries, functioning alternatively
- B. right functional ovary
- C. left functional ovary
- D. equipotent left and right ovaries.

Answer: A

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189. In birds, the vertebrae are

- A. amphicoelous
- B. gastrocoelous
- C. heterocoelous
- D. platycoelous

Answer: C



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190. A famous bird sanctuary is

- A. Corbett National Park (U.P)
- B. Kaziranga (Assam)
- C. Keoladea Ghana National Park (Rajasthan)

D. Bandipur National Park (Karnataka).

Answer: C



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191. Tooth birds became extinct in

A. triassic

B. cretaceous

C. jurassic

D. Palaeocene

Answer: B



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192. Kidneys of birds are

A. pronephric

B. mesonephric

C. archinephric

D. metanephric

Answer: D



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193. Where, the imprint fossil of *Archaeopteryx lithographica* obtained from Germany is now kept?

A. Berlin Museum, Berlin

B. British Museum, London

C. Zoological Survey of India Museum, Calcutta

D. National Museum of Nature History, New Delhi

Answer: B

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194. In birds, which one of the following is absent?

- A. Gall bladder
- B. Urinary bladder
- C. Teeth
- D. All of these

Answer: D

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195. Which is the world's most dangerous bird?

- A. Ostrich
- B. Rail
- C. Cassowary

D. Emu

Answer: C



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196. The eyes of birds are peculiar due to the presence of

- A. large pupil
- B. large number of cones
- C. pecten
- D. sensitive retina

Answer: C



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197. Name the bird which can fly backwards?

A. Albatross

B. Crane

C. Humming bird

D. Penguin

Answer: C



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198. Excretory matter in bird is

A. ammonia

B. uric acid

C. guanine

D. urea

Answer: B



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199. Wish bone of birds is from

- A. pelvic girdle
- B. skull
- C. hind limbs
- D. pectoral girdle/clavicles

Answer: D



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200. State bird of Rajasthan is

- A. Parrot
- B. Rhea
- C. Great Indian Bustard

D. Anas

Answer: C



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201. Kiwi/Apteryx occurs in

A. Australia

B. North India

C. New Zealand

D. South Africa

Answer: C



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202. Preen gland occurs in

A. reptilia

B. aves

C. pisces

D. mammalia

Answer: B



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203. Birds are able to recognise their home through

A. memory

B. smell

C. orientation of magnetic field

D. eye sight

Answer: C



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204. National bird of India is

A. 1) House sparrow

B. 2) Peacock

C. 3) Hornbill

D. 4) Black Swan

Answer: B



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205. The sharpest vision is that of

A. Vulture

B. Owl

C. Shark

D. Bat

Answer: A



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206. Cassowary occurs in

A. S.W. Australia

B. New Guinea

C. New Zealand

D. Africa

Answer: B



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207. Quill feathers at the base of quill wings are called

A. down feathers

B. filoplumes

C. coverts

D. barbules

Answer: C

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208. Some vertebrae of birds are fused to form

A. sacrum

B. synsacrum

C. coccyx

D. none of these

Answer: B

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209. Bone marrow does not occur in

- A. Reptilia
- B. Amphibia
- C. Fishes
- D. Birds

Answer: D



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210. Feathers present over nestlings are

- A. down
- B. contour
- C. filoplumes

D. quill

Answer: A



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211. The first poisonous bird is

A. Dorzee

B. Stemaparadisaea

C. Pitohui dichrous

D. Ongadoris

Answer: C



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212. Which is the champion of all migrating birds?

A. Dove

B. Penguin

C. Himalayan Bearded Vulture

D. Arctic tern

Answer: D



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213. Renal portal system is absent in

A. Reptiles

B. Amphibians

C. mammals

D. Birds

Answer: D



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214. Scientific name of Peacock is

- A. *Corvus splendens*
- B. *Psittacula*
- C. *Pavo cristus*
- D. *Columba livia*

Answer: C



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215. Which one of the following in birds, indicated their reptilian ancestry

- A. Two special chambered crop and gizzard in their digestive tract
- B. Eggs with a calcareous shell
- C. Scales on their hind limbs

D. four chambered heart.

Answer: C



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216. Which of the following does not make a nest of its own?

A. Crow

B. Parrot

C. Cuckoo

D. Sparrow

Answer: C



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217. The largest endangered bird in India is

A. Vulture

B. Flamingo

C. Great Indian Bustard

D. Great Indian Hornbill

Answer: A

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218. Respiratory organs of whale are

A. book lungs

B. lungs

C. gills

D. skin

Answer: B

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219. Non-nucleated erythrocytes are found in

- A. Fishes
- B. Tadpole
- C. Birds
- D. Mammals.

Answer: D



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220. Which characters are found only in mammals?

- A. 1)pinna, teeth
- B. 2)hair, oviparous
- C. 3)mammary glands, teeth

D. 4)hair, mammary glands

Answer: D



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221. Bat (flying fox) can fly at night because

- A. it has strong sense of sight
- B. it has strong sense of smell
- C. it can hear high velocity sound waves
- D. it can produce high velocity sound waves and perceive them.

Answer: D



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222. Marsupials are found in Australia and are

A. viviparous

B. oviparous

C. ovo-viviparous

D. omnivorous

Answer: A



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223. Cloacal aperture is found in

A. prototheria

B. polychaeta

C. primates

D. Protozoa

Answer: A



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224. The fastest growth is found in

- A. Elephant
- B. Giraffe
- C. Blue whale
- D. Rhino

Answer: C



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225. Testes are abdominal in

- A. Whales, Dolphins, Porpoises
- B. Shrews, Moles, Hedgehogs
- C. Sea cows

D. all of the above

Answer: B



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226. Prototheria have evolved from

A. metatheria

B. reptiles

C. snakes

D. birds

Answer: B



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227. Besides bats, echolocation also occurs in

A. Primates

B. Wild Cat

C. Whales & Dolphins

D. Beavers

Answer: C



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228. Based on classification which set is closer?

A. Silver fish, cuttle fish, jelly-fish

B. Man, chimpanzee, monkey

C. Octopus, oyster, otter

D. Pigeon, crow, bat

Answer: B



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229. First National park developed in India is

- A. Gir
- B. Kaziranga
- C. Jim Corbett
- D. none of these

Answer: C



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230. In India these days lion is found in

- A. The forests of Madhya Pradesh
- B. Gir forests of Gujarat
- C. Gim Corbet National Park

D. Nilgiri forests

Answer: B



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231. In the absence of water what do elephants spare themselves with?

A. Dust

B. Urine

C. Plants

D. Dew

Answer: A



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232. Which is the only ape found in India?

A. Hylobates concolor

B. Hylobates hoolock

C. Gorilla

D. Chimpanzee

Answer: B



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233. What is an elephant's tusk?

A. A modified incisor

B. An enlarged canine

C. An inverted horn

D. A modified premolar

Answer: A



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234. Who are the parents of a mule?

- A. Two mules
- B. A female ass and a bull
- C. A male ass and a mare
- D. A female ass and a male horse

Answer: C



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235. How many humps does a Llama have?

- A. None
- B. One
- C. Two

D. Three

Answer: A



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236. How many chambers does a cow's stomach have?

A. One

B. Two

C. Three

D. Four

Answer: D



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237. The world's highly prized wool yielding 'Pashmina' breed is :

A. Sheep

B. Goat

C. Goat-Sheep cross

D. Kashmir sheep-Afghan sheep cross

Answer: B



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238. How many bones does a giraffe has in its long neck?

A. 23

B. 7

C. 110

D. 8

Answer: B



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239. Which one of the following is closest relative of Man?

- A. Gibbons
- B. Chimpanzees
- C. Orangutans
- D. Gorillas

Answer: B



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240. How many teeth does a Blue whale has?

- A. Twenty
- B. Thirty
- C. Forty

D. None.

Answer: D



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241. Why is the sea cow so called?

- A. Its shape is like cow
- B. It has four chambered stomach
- C. It moves like cow
- D. It feeds on sea weeds & marine grasses.

Answer: D



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242. What differentiates the Bactrian camels from the Arabian camels?

- A. The hump of the Bactrian camels contains reserve food in the form of fat. It is absent in the Arabian camels.
- B. The stomach is four chambered in the Bactrian camel.
- C. Each limb of the Bactrian camels has three digits.
- D. The Arabian camel has one hump and the Bactrian camel found in the Gobi desert has two humps.

Answer: D



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243. Number of cervical vertebrae in sea cow (a mammal) is

- A. 7
- B. 9
- C. 6
- D. 8

Answer: C



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244. Neck of camel is long due to

- A. more vertebrae
- B. bones
- C. vertebral plates
- D. muscles

Answer: C



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245. Smallest egg is found in

- A. Homo sapiens

B. Columba (Pigeon)

C. Struthio (ostrich)

D. Humming bird

Answer: A



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246. True horns are always

A. hollow

B. arise from frontal bones

C. never shed

D. all correct

Answer: D



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247. Trunk of elephant is formed by

- A. upper lip and lower lip
- B. upper lip and nose
- C. upper lip
- D. upper lip and abdomen.

Answer: B



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248. Elephant is an inhabitant of hot climate. This is suggested by

- A. huge size
- B. fleshy feet
- C. almost hairless body
- D. almost hairy body

Answer: C



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249. Mammals have seven cervical vertebrae except

- A. Giraffe
- B. Elephant
- C. Sloth
- D. Camel

Answer: C



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250. Pinna is absent in

- A. Whale

B. Platypus

C. Seal

D. All of these

Answer: D



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251. Mammal which never drinks water is

A. Kangaroo

B. Kangaroo rat

C. Shrew

D. Hedgehog

Answer: B



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252. What is correct?

- A. Archaeopteryx is connecting link between Aves and Mammalia
- B. Sea Horse is connecting link between fish and horse
- C. Duck Billed Platypus is connecting link between reptiles and mammals
- D. Hydra is connecting link between protozoa and metazoa

Answer: C



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253. A mammal which lays eggs is

- A. Scaly Anteater
- B. Spiny Anteater
- C. Porcupine

D. Hedgehog

Answer: B



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254. Equus rests on

A. Five digits

B. Four digits

C. Three digits

D. One digit

Answer: D



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255. Mammary glands are modified

- A. salivary glands
- B. lacrimal glands
- C. sweat glands
- D. sebaceous glands

Answer: C

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256. Echidna is

- A. a reptile native of Australia
- B. a mammal native of Australia
- C. a reptile native of Africa
- D. a mammal native of Africa

Answer: B

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257. According to IUCN Red List, what is the status of Red Panda (*Ailurus fulgens*)

- A. Vulnerable species
- B. Critically endangered species
- C. Extinct species
- D. Endangered species

Answer: D



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258. A characteristic of rodent is

- A. long incisors
- B. long canines
- C. hooves

D. nails

Answer: A



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259. A mammal in which milk is squirted down to throat of baby by muscular contraction of mother is

A. Bear

B. Camel

C. Whale

D. Rhinoceros

Answer: C



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260. Which monkey has prehensile tail

A. Bonnet Monkey

B. Rhesus Monkey

C. Spider Monkey

D. Semnopithecous

Answer: C



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261. Without teats, mammary glands are found in

A. prototheria

B. metatheria

C. eutheria

D. theria

Answer: A



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262. Which one is not exclusively marine

- A. Seal
- B. Walrus
- C. Whale
- D. Dolphin

Answer: D



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263. Blubber is

- A. subcutaneous fat of whale

B. irregular heart beats

C. artificial rubber

D. none of the above

Answer: A



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264. Testes in Whale are

A. extra-abdominal

B. half external, half internal

C. internal

D. none of the above

Answer: C



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265. Largest and heaviest mammal of the world is

- A. Elephant
- B. Tiger
- C. Lion
- D. Blue whale

Answer: D



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266. Mammalian brain differs from an amphibian brain in possessing

- A. olfactory lobes
- B. corpus callosum
- C. cerebellum
- D. hypothalamus

Answer: B



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267. Which of the following had the smallest brain capacity?

- A. Orangutan
- B. Gorilla
- C. Chimpanzee
- D. Rhesus Monkey

Answer: A



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268. The zoological name of lion is

- A. *Panthera tigris*

B. *Panthera leo-persica*

C. *Panthera pardus*

D. *Felis leo*

Answer: B



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269. A mammal devoid of corpus callosum is

A. *Ornithorhynchus*

B. *Balaenoptera*

C. *Macropus*

D. *Macaca*

Answer: A



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270. In Cattle, leather is formed by

- A. entire dermis
- B. outer layer of dermis
- C. squamous epidermis
- D. entire epidermis

Answer: A



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271. Eggs of placental mammals/human egg are expected to be

- A. microlecithal
- B. telolecithal
- C. centrolecithal
- D. alecithal

Answer: D



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272. Rh factor is present in

- A. all vertebrates
- B. all mammals
- C. all reptiles
- D. man and rhesus monkey only

Answer: D



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273. National Park is meant for preservation of

- A. flora only

B. fauna only

C. both flora and fauna

D. entire ecosystem

Answer: C



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274. Dachigam National Park in Kashmir is associated with the animal

A. Horned toad deer

B. Sagul

C. Rhino

D. Hangul

Answer: D



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275. The Indian wild Ass is found in

- A. Thar desert
- B. Ladakh
- C. Rann-of Kutch (Kachchh)
- D. Garwal mountains in Himalayas

Answer: C



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276. Which of the following prosimian is found only in Madagascar

- A. Loris
- B. Lemur
- C. Galago
- D. Bush Baby

Answer: B



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277. In which mammals do the testes remain in the abdomen

- A. Humans
- B. Rabbit
- C. Ox
- D. Elephant

Answer: D



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278. In Rhinoceros, horn is formed from

- A. adipose tissue

B. Stratum germinativum

C. stratum lucidum

D. stratum corneum

Answer: D



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279. Two toed hoofed feet occur in

A. Horse

B. Elephant

C. Zebra

D. Sheep

Answer: D



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280. Ancestors of mammals belongs to :

- A. Therapsida
- B. Ornithischia
- C. Silusoidea
- D. Chelonia

Answer: A



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281. What is common between parrot, platypus and kangaroo ?

- A. Functional post anal tail
- B. Oviparity
- C. Homoiothermy
- D. Toothless jaws

Answer: C



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282. Identify the odd combination of the habits and the particular animal concerned

A. Periyar - Elephant

B. Rann of Kutch - Wild Ass

C. Dachigam National Park- Snow Leopard

D. Sunderbans- Bengal Tiger

Answer: C



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283. Species going to extinct due to low reproductive rate is

- A. Lion
- B. Bald eagle
- C. Giant panda
- D. Island species

Answer: C

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284. The one-horned rhinoceros is specific to which of the following sanctuary

- A. Gir Forest
- B. Kaziranga National Park
- C. Bandipur National Park
- D. Ranthambore National Park

Answer: B

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285. Statement A : All metatherians are placental mammals.

Statement B : All placental mammals have menstrual cycle.

- A. Statement A is true and statement B is false
- B. Statement B is true and statement A is false
- C. Both the statements A & B are true
- D. Both the statements A & B are false

Answer: B

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286. The longest loop of Henle is found in

- A. Kangaroo rat
- B. Opposum

C. Rhesus

D. monkey

Answer: A



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287. Which are true about the following statements about kangaroo rats

(a) They have dark colour, high rate of reproduction and excrete solid urine

(b) They do not drink water, breathe at slow rate, and have their body covered with thick hair

(c) They feed on dry seeds and do not require drinking water

(d) They excrete very concentrated urine and do not use water to regulate body temperature

A. II and III

B. III and I

C. I and II

D. III and IV

Answer: D



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288. Instead of tooth, baleen (hanging horny plates in mouth) are found in

A. Blue whale

B. Shark

C. Dolphin

D. Archaeopteryx

Answer: A



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289. Tasmanian Wolf was a marsupial which is now found as fossil that was striped like

A. Wolf

B. Tiger

C. Zebra

D. Tiger Salamander

Answer: B



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290. The smallest mammal in the world is a

A. Shrew

B. Bat

C. Cat

D. Dog

Answer: A



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291. Toothless mammals are

- A. Sloths
- B. Anteaters
- C. Armadillos
- D. All the above

Answer: D



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292. The symbol of WWF (World Wildlife Fund) was chosen as

- A. Red Panda

B. Lion

C. Giant Panda

D. Tiger

Answer: C



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293. Which was the first living creature to have orbited space

A. Dolly

B. Laika

C. Monkey

D. Rat

Answer: B



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294. The only vegetarian sea mammals are

A. Walruses

B. Seals

C. Whales

D. Manatees

Answer: D



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295. Which of the following is an exclusive character of Class Mammalia ?

A. Homoiothermy

B. Internal fertilization

C. Presence of a 4-chambered heart

D. Presence of a muscular diaphragm

Answer: D



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296. Which one of the following mammals is not an odd-toed ungulate

A. Rhinoceros

B. Camel

C. Zebra

D. Horse

Answer: B



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297. Identify the aquatic mammal(s) from the following

(i) Balaenoptera

(ii) Equus

(iii) Delphinus

(iv) Pteropus

(v) Felis

A. I and III

B. II and IV

C. V only

D. IV and V

Answer: A



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298. Crocodile and Penguin are similar to Whale and Dogfish in which one of the following features?

A. Possess a solid single stranded central nervous system

B. Lay eggs and guard them till they hatch

C. Possess bony skeleton.

D. Have gill slits at some stage.

Answer: D

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299. The character that differentiates chordate from non-chordates is

- A. triploblastic body organization
- B. heterotrophic mode of nutrition
- C. dorsal tubular nerve cord
- D. sexual reproduction

Answer: C

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300. Which of the following animals has recently become extinct in India?

- A. Hyena
- B. Rhinoceros
- C. King cobra
- D. Cheetah

Answer: D

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301. Crocodile and penguin are similar to whale and dog fish in which one of the following features?

- A. Possess a solid single stranded central nervous system
- B. Lay eggs and guard them till they hatch
- C. Possess bony skeleton.
- D. Have gill slits at some stage.

Answer: D

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302. Mammal's heart is

- A. myogenic
- B. neurogenic
- C. voluntary
- D. sympathetic

Answer: A

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303. Which one of the following animals is correctly matched with its particular named taxonomic category

- A. Cattle fish-Mollusca, a class
- B. Humans - Primata, the family

C. Housefly - Musca, an order

D. Tiger - tigris, the species

Answer: D



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304. In which sub-phylum Notochord extends from head to tail region and persistent throughout their life?

A. Cephalochordata

B. Urochordata

C. Both (A) and (B)

D. none of the above

Answer: A



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305. which one of the following statements is totally wrong about the occurrence of notochord , while the other three are correct

- A. It is present only in larval tail in Ascidians
- B. It is replaced by a vertebral column in adult frog
- C. It is absent throughout life in humans from the very beginning
- D. It is present throughout life in Amphioxus

Answer: C



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306. In some chordates, the notochord is modified as the vertebral column. Such animals are called vertebrates which one of the following statements make sense.

- A. All chordates are vertebrates but all vertebrates are not chordates
- B. all vertebrates are chordates and all chordates are vertebrates

C. all vertebrates are chordates but all chordates are not vertebrates

D. chordates are not vertebrates and vertebrates are not chordates

Answer: C



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307. What will you look for to identify the sex of the following

A. Male Frog - a copulatory pad on the first digit of the hind limb

B. Female cockroach - anal cerci

C. Male Shark - Claspers born on pelvic fins

D. Female Ascaris - Sharply curved posterior end

Answer: C



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308. Which of the following animals shows discontinuous distribution?

A. Green muscle

B. Bats

C. Lung fish

D. Pacific salmon

Answer: C



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309. What will you look for to identify the sex of the following?

A. Female Ascaris - Sharply curved posterior end

B. Male frog- A copulatory pad on the first digit of the hind limb

C. Female cockroach - Anal cerci

D. Male shark-Claspers borne on pelvic fins

Answer: D

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310. Which one of the following the genus name, its two characters and its class/phylum are correctly matched?

| Genus | Two characters | Class/ phylum |
|-----------------------|---|------------------|
| (1) <i>Salamandra</i> | (i) A tympanum represents ear (ii) Fertilization is external | Amphibia |
| (2) <i>Pteropus</i> | (i) Skin possesses hair (ii) Oviparous | Mammalia |
| (3) <i>Aurelia</i> | (i) Cnidoblast (iii) Organ level of organization | Coelenterata |
| (4) <i>Ascaris</i> | (i) Body segmented (ii) Males and females distinct | Annelida |

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311. Golden age of reptiles was

- A. proterozoic era
- B. palaeozoic era
- C. mesozoic era
- D. coenozoic era

Answer: C



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312. Birds produce sound due to the presence of

- A. larynx
- B. Syrinx
- C. trachea

D. vocal cord

Answer: B



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313. Calcium metabolism in birds gets disturbed due to the effect of:

A. mercury

B. cadmium

C. DDT

D. lead

Answer: C



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314. Which one of the following categories of animals, is correctly described with no single exception in it ?

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

Answer: B



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315. Which one of the following pairs of animals are similar to each other pertaining to the feature stated against them ?

A. Pteropus & Ornithorhyncus - viviparity

B. Garden lizard and crocodile - three chambered heart

C. Ascaris and Ancylostoma - metameric segmentation

D. Sea horse and flying fish - cold blooded (poikilothermal)

Answer: D



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316. In the zoological name of fish *Catla catla*, the specific name is identical with the generic name, thus it is an example of

A. antonym

B. tautonym

C. synonym

D. homonym

Answer: B

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317. If a water body is contaminated with toxicant , its biomagnification will be more marked in

- A. water
- B. planktons
- C. small fishes
- D. birds

Answer: D

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318. Match the following and choose the correct combination from the options given

Column I

(Organism)

Column II

(Approximate life span)

- | | |
|--------------|--------------|
| A. Butterfly | 1. 60 years |
| B. Crow | 2. 140 years |
| C. Parrot | 3. 15 years |
| D. Crocodile | 4. 1-2 weeks |

A. A - 1, B - 2, C - 3, D - 4

B. A - 4, B - 3, C - 1, D - 2

C. A - 3, B - 3, C - 4, D - 1

D. A-4, B - 3, C - 2, D - 1

Answer: D



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319. Age of fishes is

A. Permian Period

B. Silurian Period

C. Devonian Period

D. Ordovician Period

Answer: C



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320. Which one of the following is an exotic carp species

A. *Barbus stigma*

B. *Cyprinus carpio*

C. *Labeo bata*

D. *Cirrhinus mrigala*

Answer: B



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321. In chondrichthyes, claspers are seen on

- A. Pelvic fins of male
- B. Pelvic fins of females
- C. Operculum of both sexes
- D. Around jaws

Answer: A

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322. Four chambered heart is characteristic of poikilotherm

- A. Psittacula
- B. Hemidactylus
- C. Pteropus
- D. Crocodilus

Answer: D

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323. A marine cartilaginous fish that can produce electric current is

A. Scoliodon

B. Pristis

C. Torpedo

D. Trygon

Answer: C



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324. A jawless fish, which lays eggs in fresh water and whose ammocoetes larvae after metamorphosis return to the ocean is

A. Eptatretus

B. Myxine

C. Neomyxine

D. Petromyzon

Answer: D



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325. Which of the following represents the correct combination without any exception

Characteristics

- (a) Mouth ventral, gills without operculum, skin with placoid scales, per
- (b) Sucking and circular mouth, jaws absent, integument without scales,
- (c) Body covered with feather, skin moist and glandular, fore-limbs form
- (d) Mammary gland, hair on body, pinnae, two pair of limbs

A.

(, Characteristics, , , Class), ((1), Mouth ventral , gills without oper

B.

Characteristics

- (2) Sucking and circular mouth, jaws absent, integument without

C.

Characteristics

- (3) Body covered with feathers , skin moist and glandular , foreli

D.

Characteristics

(4) Mammary gland , hair on body , pinnae, two pairs of limbs

Answer: A



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326. Which one of the following characteristics is not shared by birds and mammals ?

A. Breathing using lungs

B. Viviparity

C. Warm blooded nature

D. Ossified endoskeleton

Answer: B



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327. Choose the correct statement

- A. All mammals are viviparous
- B. All cyclostomes do not possess jaws and paired fins
- C. All reptiles have a three - chambered heart.
- D. All Pisces have gills covered by an operculum.

Answer: B



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328. Which of the following represents order of 'Horse'?

- A. Equidae
- B. Perissodactyla
- C. Caballus
- D. Ferus

Answer: B



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329. Which among these is the correct combination of aquatic mammals?

- A. Seals, Dolphins, Sharks
- B. Dolphins, Seals, Trygon
- C. Whales, Dolphins, Seals
- D. Trygon, Whales, Seals

Answer: C



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330. Identify the vertebrate group of animal characterized by crop and gizzard in its digestive system .

A. Osteichthyes

B. Aves

C. Reptilia

D. Amphibia

Answer: B

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331. Which one these animals is not a homeotherm ?

A. Psittacula

B. Camelus

C. Chelone

D. Macropus

Answer: C

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