



BIOLOGY

BOOKS - S DINESH & CO BIOLOGY (HINGLISH)

AMPHIBIA-VERTEBRATES WITH DUAL LIFE

Mcq

1. Tetrapods include

A. Amphibia, reptilia, aves and mammalia

B. Retilia, mammalia and amphibia

C. Amphibia and reptilia

D. Aves and mammalia

Answer: a



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2. the number of appendages present in most vertebrates is

A. one pair

B. two pairs

C. three pairs

D. four pairs

Answer: b



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3. in amphibians

A. exoskeleton is absent

B. skin is respiratory

C. both A and B

D. none of the above

Answer: c



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4. An amphibian having gills in adult stage is

A. salamander

B. aquatic frogs

C. Limbless amphibian

D. newt/mud puppy

Answer: d



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5. Hyla is a

A. tree frog

B. mud puppy

C. salamander

D. blind worm

Answer: a



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6. tympanum or ear drum occurs in

A. bony fishes

B. cartilaginous fishes

C. necturus

D. none of the above

Answer: d



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7. A limbless amphibian is

A. Amphiuma

B. necturus

C. uraeptyphlus

D. cryptobranches.

Answer: c



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8. male frogs can croak louder than females because of

- A. large size
- B. being strong
- C. large sound box
- D. vocal sacs.

Answer: d



9. summer sleep of cold - blooded animals is called

- A. hibernation
- B. neoteny
- C. aestivation
- D. peadogenesis.

Answer: c



10. largest amphibian is

A. neoturus

B. ichthyophis

C. cryptobranchus / andrias

D. amphiuma

Answer: c



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11. in amphibian the heart has

- A. two auricles
- B. two auricles and one ventricles
- C. one auricle and two ventricles
- D. one auricle, one ventricle and one sinus
venosus.

Answer: b



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12. salamander can swim with the help of

A. webbed hind limbs.

B. tail

C. webbed fore limbs

D. webbed toes.

Answer: b



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13. Axolost undergoes metamphosis as soon as

- A. sex organs develop
- B. food becomes plenty
- C. it is exposed to air
- D. both B and C

Answer: c



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14. axolost larva possesses

- A. external gills
- B. Laterally compressed tail
- C. dorsal fin
- D. All the above.

Answer: d



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15. necturns or mud puppy is found in

A. north America

B. south America

C. north india

D. south india.

Answer: a



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16. necturus or mud puppy is also known as

A. water newt

B. water Dog

C. both A and B

D. himalayan salamander.

Answer: c



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17. flying frog is

A. hyla

B. Rhacophorus

C. Alytes

D. pipa

Answer: b



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18. hyla or tree frog is

A. brown

B. Green

C. spotted green and brown

D. Dark brown and yellow'

Answer: b



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19. Hyla is able to climb trees with the help of

A. long prehensile tail

B. Non-Adhesive pads on digits

C. Adhesive pads on digits

D. claws at tips of digits

Answer: c



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20. flying frog Rhocophorus

- A. flies with the help of patagia
- B. flied with the help of wings
- C. walks very fast
- D. jumps long distance.

Answer: d



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21. midwife toad is

A. alytes

B. pipa

C. bufa

D. Disoglossus

Answer: a



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22. in *Alytes obstetricans*

A. the female collects the fertilised eggs
and hides them in a safe place

B. the female after collecting the eggs
hides herself in a safe place

C. the male collects eggs around his neck
and hides himself

D. the male collects eggs around his legs
and hides himself.

Answer: d



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23. in surinam Toad , eggs are taken care of by

A. male

B. female

C. both A and B

D. none of the above

Answer: b



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24. Bombinator threatens its adversary by

A. sprinkling blood

B. Exposing its belly having orange red patches

C. producing hissing sound

D. both B and C

Answer: d



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25. in Toad, *Bufo melanostictus*, toxins occur in

A. Secretion of parotid glands

B. skin warts

C. both A and B

D. saliva'

Answer: c



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26. bufo diggers from Bull frog Rana in

A. Absence of teeth and non - bifurcated
tongue

B. non -amplexus

C. absence of vocal sacs

D. without glands.

Answer: a



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27. in Toad, the skin is

A. smooth and slimy

B. warty dry and rough

C. Olive green colour

D. without glands.

Answer: b



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28. in male frog male Toad, the number of vocal sacs is

A. one and one

B. one and zero

C. two and zero

D. two and one

Answer: d



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29. in toad ,the amplexusory pad is

A. absent

B. found on one inner finger

C. present on two inner fingers

D. present on two inner toes.

Answer: c



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30. in sitting posture

- A. both frog and Toad develop a hump
- B. frog has hump which is absent in Toad
- C. Toad has hump which is absent in frog
- D. both frog and Toad lack hump

Answer: b



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31. salamandra atra is

A. ovoviviparous

B. Oviparous

C. sexually sterile

D. parthenogenetic.

Answer: a



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32. longest gestation period is that of

A. human being

B. camel

C. Rhino

D. salamandra atra.

Answer: d



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33. Gestation period of salamandra atra is

A. 200 days

B. 540 days

C. 36 months

D. 440 days

Answer: c



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34. mud Eel is

A. Amphiuma

B. anguilla

C. siren

D. muraena

Answer: c



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35. frog and toads belong to order

A. apoda

B. anura

C. urodela

D. caecilia

Answer: b



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36. vocal cords develop for the first time in

A. anurans

B. urodelans

C. caecilians

D. none of the above

Answer: a



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37. both middle and internal ears occur in

A. cacilians

B. necturns

C. salamander

D. forg and toads.

Answer: d



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38. middle ear and tympanum are absent in

A. anura

B. apoda

C. urodela

D. both B and C

Answer: c



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39. Necturus possesses

A. two pairs of external gills and three pairs of gill slits

B. three pairs each of external gills and gill slits

C. four pairs each of external gills and gill slits .

D. two pairs each of external gills and gill slits.

Answer: b



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40. mud Eel is (siren lacertina) has

A. five pairs of both external gills and gills

slits

B. four pairs of both external gills and gill

slits

C. three pairs each of external gills and gill slits.

D. two pairs each of external gills and gill slits.

Answer: c



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41. nectitating membrane is useful to frog in

A. far sight

B. short sight

C. covering and protecting eye ball from
mud and water

D. covering and protecting eye lids from
mud and other particles.

Answer: c



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42. caecilians differ from common amphibians in

- A. absence of middle ear and vocal cords
- B. Absence of limbs and girdles
- C. absence of eye lids
- D. all the above.

Answer: d



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43. apoda resemble pisces in

A. presence of dermal scales

B. function-less eyes

C. absence of tail

D. All the above.

Answer: A



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44. an eversible cloaca for copulation occurs in the male of

A. Rana

B. necturnus

C. ichthyophis

D. hyla

Answer: c



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45. salientia is the alternate name of

A. anura

B. urodela

C. apoda

D. none of the above

Answer: a



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46. ampdibians evolved in

A. sea

B. fresh water

C. on banks of fresh water

D. land.

Answer: c



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47. age of amphibians is

A. carboniferous

B. ordocician

C. devonian

D. cambrain

Answer: a



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48. in frog and Toad, the tongue is attached

A. posteriorly

B. anteriorly

C. latterally

D. absent

Answer: b



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49. Amphibians are

A. amninotes

B. anomniotes

C. homoeothermic

D. none tetrapod vertebrates.

Answer: b



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50. in amphibians the heart is

A. Two chambered and venous

B. two chambered and arterial

C. three chambered

D. incompletely four chambered.

Answer: c



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51. Amphibians possess

- A. hepatic portal system
- B. Renal portal system
- C. hypophyseal portal system
- D. all the above.

Answer: d



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52. In frog the lower eye lid is

- A. Rapidly movable
- B. slightly moves
- C. immovable
- D. absent

Answer: c



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53. in frog the upper eye lid is

A. absent

B. slightly moves

C. Rapidly movable

D. immovable

Answer: b



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54. A structure, absent in pisces, has evolved in amphibians

A. tail

B. Teeth

C. scales

D. internal nares.

Answer: d



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55. netoteny is found in

A. salamander

B. Rana

C. necturus

D. Ichthyophis

Answer: a



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56. salmander is a member of

A. aves

B. amphibia

C. mammalia

D. Reptilia

Answer: b



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57. Which one of the following is not a true amphibian animal

A. salamander

B. toad

C. tortoise

D. frog

Answer: c



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58. A limbless amphibian is

A. hyla

B. ichthyophis

C. Alytes

D. bufo

Answer: b



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59. A frog has

A. eyes but no lids

B. jaws but no teeth

C. hands but no fingers

D. ears but no pinnae.

Answer: d



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60. frog has

A. five fingers and four toes

B. four fingers and five toes

C. five fingers and five toes

D. four fingers and four toes.

Answer: b



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61. bull frog of india is

A. rana tigerina

B. R.sylvatica

C. R. catesbeiana

D. R. esculenta

Answer: a



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62. retention of larval characters even after sexual maturity is called.

A. parthenogenesis

B. ontogenesis

C. phyllogenesis

D. neoteny

Answer: d



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63. all vertebrates possess

- A. Renal portal system
- B. Dorsal hollow central nervous system
- C. four chambered ventral heart
- D. pharyngeal gill slits.

Answer: b



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64. the glands present in the skin of frog are

- A. sweat and mammary
- B. sweat and sebaceous
- C. sweat and mucous
- D. poisonous and mucous

Answer: d



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65. mucus helps frog in forming

A. thick skin

B. Dry skin

C. smooth skin

D. moist skin

Answer: d



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66. frog is

A. Ammontelic

B. Ureotelic

C. Uricotelic

D. none of the above.

Answer: b



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67. netoteny is found in

A. Axolotl

B. Hyla

C. Salamander

D. Tadpole

Answer: a



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68. frog and toads belong to order

A. apoda

B. anura

C. urodela

D. caudata

Answer: b



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69. The functional kidney of frog tadpole is

A. archinephros

B. pronephros

C. mesonephrose

D. metanephros.

Answer: b



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70. flying frog is

A. Rhacopharus

B. hyla

C. pipa

D. Alytes.

Answer: a



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71. neoteny is caharacteristic of

A. Bufo

B. Ichthyophis

C. Ambystoma

D. Rana

Answer: c



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72. except mammals, the lungs occur in

A. pleural cavity

B. pleuro-peritoneal cavity.

C. thoracic cavity

D. pericardial cavity.

Answer: b



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73. Axolotl is the name of larva of

A. Amphiuma

B. Silkworm

C. Ambystoma

D. Roundworm

Answer: c



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74. Croaking of frog is

- A. hunger call
- B. sex call for female
- C. Danger call
- D. musical note.

Answer: b



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75. Ichthyophis belongs to

A. amphibia

B. mollusca

C. annelida

D. Reptilia

Answer: a



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76. RBCs are nucleated in

A. Rat

B. cat

C. frog

D. Rabbit.

Answer: c



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77. which of the following is the smallest taxonomic group of animals having a cranium , vertabral column , ventral heart , pulmonary respiration and two pairs of limbs

A. chordata

B. Gnathostomata

C. vertebrata

D. tetrapoda

Answer: d



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78. Reproduction in larval stage is known as

- A. Paedogenesis
- B. parthenogenesis
- C. neoteny
- D. none of the above

Answer: a



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79. Dicondylic skull and 10 pairs of cranial nerves are found

A. pisces

B. amphibia

C. Reptilia

D. mammalia

Answer: b



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80. Ancestral amphibians were tetrapods that evolved during

A. Devonian

B. carboniferous

C. cretaceous

D. jurassic

Answer: a



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81. Aquatic amphibians are ammonotelic in

- A. adult stage
- B. larval stage
- C. immature stage
- D. both A and B

Answer: d



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82. Three chambered heart of frog is not as efficient as fourchambered human heart because

A. oxygenated and deoxygenated bloods mix up

B. ventricle does not pump blood properly

C. it does not hold enough blood

D. heart muscles are not strong

Answer: a





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83. In frog, jelly around the eggs is deposited
in

- A. in water after fertilization
- B. in water during fertilization
- C. in the oviduct
- D. in the ovary

Answer: c



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84. The opening of rectum in frog is called

A. caoccyx

B. cloaca

C. anus

D. none of the above.

Answer: b



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85. Given below are assertion and reason. Point out if both are true with reason being . Point explanation (A). Both true but reason not correct explanation (B), assertion true but reason wrong ©, both wrong (D), Assertion. Amphibians have evolved from fishes. Reason . take the example of fossil Archaeopteryx.

A. N/A

B. N/A

C. N/A

D. N/A

Answer: c



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86. Which animal is surinam toad

A. pipa

B. Alytes

C. bufo

D. bombinator.

Answer: a



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87. toad contains

A. salivary glands, mucus glands and parotid glands

B. slippery skin, yellow pigment and abundant mucus glands

C. parotid glands , warty skin and semicircular canals

D. Bifid tongue, slippery skin and mucus glands.

Answer: c



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88. Amphibian heart is

- A. four chambered
- B. three chambered
- C. two chambered

D. one chambered.\

Answer: b



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89. The structure present in man but absent in frog is

A. salivary glands,

B. pancreas

C. adrenal glands

D. thyroid gland

Answer: a



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90. A fully grown tadpole larva of frog respire through

A. skin

B. Gills

C. lungs

D. tail fin

Answer: b



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91. kidney of frog is

A. archinephros

B. pronephros

C. mesonephros

D. metanephros

Answer: c



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92. an ectothermal cold blooded animal is

A. penguin

B. lemur

C. owl

D. frog

Answer: d



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93. midwife toad is

A. bufo

B. Rana

C. pipa

D. Alytes.

Answer: d



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94. green tree frog is

A. Hyla

B. Rhacophorus

C. Alytes

D. Pipa

Answer: a



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95. mesonephric kidney is found in

A. Amphibia

B. Mammalia

C. Reptilia

D. Aves

Answer: a



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96. lateral line system is not well developed in

A. shark

B. catla

C. sea horse

D. frog

Answer: d



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97. tail of tadpole is

- A. Locomotory organ
- B. Attachment organ
- C. Digestive organ
- D. Excretory organ

Answer: a



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98. 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. fishes evolved from frog-like ancestors.

Answer: b



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99. in frog oviduct is formed

- A. wolffian duct
- B. Bidder's canal
- C. metanephric duct
- D. mullerian duct

Answer: d



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100. frog is amphibian because

A. Aldosterone

B. thyroxine

C. pituitary hormone

D. oxytocin

Answer: d



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

A. Aldosterone

B. thyroxine

C. pituitary hormone

D. oxytocin

Answer: b



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102. netoteny is

A. development of gonads

B. pre - adult animal

C. Retention of larval traits in adult

D. metamorphosis

Answer: c



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103. exoskeleton is absent in

A. frog

B. scoliodon

C. Rabbit

D. fowl

Answer: a



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

A. body is divisble into head, neck, truck and tail

B. head has a pair of eyes and tympanic membranes.

C. trunk has two pairs of limbs

D. heart is three chambered

Answer: a



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105. Excretion in tadpole is

A. urerotelic

B. Ammonotelic

C. Uricotelic

D. none of the above.

Answer: b



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106. the process by which tail of tadpole is dissolved and tadpole changes into adult si known as

A. neoteny

B. paedogenesis

C. metamorphosis

D. morphogenesis

Answer: c



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107. Limbless amphibians belong to the order

A. anura

B. uroedela

C. Gymnophian

D. lissamphibia

Answer: c



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108. exskeleton, a characteristic feature of reptilia is absent in

A. fish

B. aves

C. mammals

D. amphibians

Answer: d



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109. Match the columns

<i>Column I</i>		<i>Column II</i>	
<i>a</i>	<i>Euplectella</i>	1.	Sea Pen
<i>b</i>	<i>Physalia</i>	2.	Pin worm
<i>c</i>	<i>Pennatula</i>	3.	Venus Flower Basket
<i>d</i>	<i>Enterobius</i>	4.	Midwife Toad
<i>e</i>	<i>Alytes</i>	5.	Portuguese Man of War

A. $a-5, b-4, c-3, d-2, e-1$

B. $a-5, b-3, c-4, d-2, e-1$

C. $a-4, b-5, c-1, d-2, e-3$

D. $a-2, b-1, c-3, d-4, e-5$

Answer: d



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110. the largest RBC s are seen in q

A. amphibia

B. man

C. Elephant

D. whale

Answer: a



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111. Select the correct order of classification of *Rana tigrina* upto genus

A. chordata, craniata, amphibia,
gnathostomata , rana

B. chordata , craniata,
gnathostomata, amphibia, rana

C. chordata, amphibia, gnathosomata,
craniata, tigrina,

D. gnathostomata, craniata, chrodata, rana
, tigrina,

Answer: b



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112. which one of the the following traits is not a characteristic feature of amphibians

A. requirment of water for reproduction

B. amniotic eggs

C. thin skin without scales.

D. cutaneous respiration

Answer: b



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113. How do you differentiate a frog from a toad

A. frog has no exoskeleton but toad has scales

B. frog respire through lungs but toad respire through skin

C. frog has no parotid glands but toad has a pair of them

D. frog has a tail but toad has no tail.

Answer: c



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114. Pick up the one where genus name , its two characters and class/phylum are correctly matched.

<i>Genus</i>	<i>Characters</i>	<i>Class/phylum</i>
(A) <i>Pteropus</i>	(a) Skin possesses hair (b) Oviparous	Mammalia
(B) <i>Aurelia</i>	(a) Cnidoblasts (b) Organ level organisation	Coelenterata
(C) <i>Ascaris</i>	(a) Body segmented (b) Male and female distinct	Annelida
(D) Salamander	(a) Tympanum represents ear (b) Fertilization external	Amphibia



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115. choose a pair of statements true of Gymnophiona I. skin contains minute dermal scales II. Teeth are absent on both jaws III. Vertebrae are numerous and amphicoelous. IV. Fertilization is external.

A. II and III

B. II and IV

C. I and II

D. I and III

Answer: d



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116. assertion (A). The earliest fossils of amphibia are from devonian and called labyrinthodontia.

Reason [®]. Dentine of earliest amphibian fossils was not of folded nature.

A. A is true but R is false

B. Both true R correct explanation of A

C. both true but R is not correct

explanation of A

D. both false.

Answer: a



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117. the following organs appeared for the first time in amphibians

A. syrinx, urinary bladder and cloaca

B. tympanum , sternum and lacrimal glands

C. harderian gland , sebaceous glands and

larimal glands

D. furcula, four chambered heart and

palate.

Answer: b



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118. Dicondylic skull is characteristic feature of

A. Amphibia and mammalia

B. aves and mammalia

C. Amphibia and reptilia

D. Reptilia and aves.

Answer: a



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Check Your Grasp

1. An amphibian bearing larval traits is

A. ichthyophis

B. bombinator

C. salamander

D. pipa

Answer:



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2. proteus is

A. marine

B. fresh water aquatic

C. cave dweller

D. desert amphibian

Answer: c



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3. amphibians do not occur in

A. land

B. fresh water

C. trees

D. sea

Answer: d



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4. frog respire through

A. skin

B. buccopharyngeal cavity

C. lungs

D. all the above.

Answer:



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5. attached to and component of heart of frog is

A. sinus venosus

B. truncus arteriosus

C. both A and B

D. Aorta

Answer:



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6. in frog , teeth occur on

A. lower jaw only

B. upper jaw only

C. both A and B

D. none of the above

Answer:



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7. amphibian larvae possess

A. gills

B. gills and unpaired fins

C. both paired and unpaired fins

D. both A and B

Answer:



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8. head contains sensory tentacles in

A. incthyophis

B. necutrus

C. salamander

D. Alytes.

Answer:



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9. flying frog Rhacophorus has

A. webbed digits.

B. adhesive pads

C. both A and B

D. patagium

Answer:



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10. gymnophiona is

A. vermiform without limbs

B. tailless with long legs

C. extinct and had massive endoskeleton

D. scaleless with well developed tail.

Answer:



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