

India's Number 1 Education App

BIOLOGY

BOOKS - DINESH PUBLICATION ENGLISH

AMPHIBIA-VERTEBRATES WITH DUAL LIFE



1. Tetrapods include

A. Amphibia, reptilia, aves and mammalia

- B. Retilia, mammalia and amphibia
- C. Amphibia and reptilia
- D. Aves and mammalia

Answer: a

Watch Video Solution

2. the number of appendages present in most

vertebrates is

A. one pair

B. two pairs

C. three pairs

D. four pairs

Answer: b

Watch Video Solution

3. in amphibians

A. exoskeleton is absent

B. skin is respiratory

C. both A and B

D. none of the above

Answer: c

Watch Video Solution

4. An amphibian having gills in adult stage is

A. salamander

B. aquatic frogs

C. Limbless amphibian

D. newt/mud puppy

Answer: d

Watch Video Solution

5. Hyla is a

A. tree frog

B. mud puppy

C. salamander

D. blind worm

Answer: a

Watch Video Solution

6. Tympanum or ear drum occurs in

A. bony fishes

B. cartilaginous fishes

C. necturus

D. none of the above





7. The limbless amphibian is

A. Amphiuma

B. necturns

C. uraeptyphlus

D. cryptobranches.

Answer: c



8. Male frogs can croak louder than females

because of/being

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. peadogensis.

Answer: c

10. Largest amphibian is

(a) necturus

(b) ichthyophis

(c) crytobranches / andrias

(d) amphiuma

A. necturus

B. ichthyophis

C. crytobranches / andrias

D. amphiuma

Answer: c



- 11. Amphibian heart is
 - A. two auricles
 - B. two auricles and one ventricles
 - C. one auricle and two ventricles
 - D. one auricle, one ventricle and one sinus

venosus.





12. Salamander can swim with the help of

A. webbed hind limbs.

B. tail

C. wedded fore limbs

D. webbed toes.

Answer: b



13. Axolotl undergoes metamorphosis as soon

as

A. sex organs develop

B. food becomes plenty

C. it is exposed to air

D. both B and C

Answer: c





14. axolostl larva possesses

A. external gills

B. Laterally compressed tail

C. dorsal fin

D. All the above.

Answer: d

15. necturus or mud puppy is found in

A. north America

B. south America

C. north india

D. south india.

Answer: a



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

17. Flying frog is the common name of

A. hyla

- B. Rhacophorus
- C. Alytes
- D. pipa

Answer: b



18. Hyla or tree frog is

A. brown

B. Green

C. spotted green and brown

D. Dark brown and yellow'

Answer: b

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

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

21. Midwife toad is

A. alytes

B. pipa

C. bufa

D. Disoglossus

Answer: a

22. In Alytes obstetricans

A. the female collects the fertilised eggs

and hides the same in safe place

B. the female after collecting the eggs

hides itself in a safe place

C. the male collects eggs around its neck

and hides itself

D. the male collects eggs eround its legs

and hides itself.





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

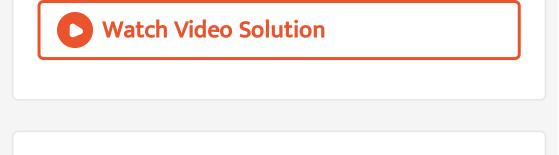
A. male

B. female

C. both A and B

D. none of the above

Answer: b



- 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





25. in Toad, Bufo melanostictus, toxins occur in

A. Secretion of parotoid glands

B. skin warts

C. both A and B

D. saliva'

Answer: c

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

27. In Toad, the skin is

A. smooth and slimy

B. warty dry and rough

C. Olive green colour

D. without glands.

Answer: b

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

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



30. in sitting posture

A. both frog an 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

> Watch Video Solution

31. slamandra atra is

A. ovoviviparous

B. Oviparous

C. sexually sterile

D. parthenogenetic.

Answer: a

Watch Video Solution

32. longest gestation period is that of

A. human being

B. camel

C. Rhino

D. salmandra atra.

Answer: d



33. Gestation period of salamandra atra is

A. 200 days

B. 540 days

C. 36 months

D. 440 days

Answer: c

Watch Video Solution

34. Mud Eel is

A. Amphiuma

B. anguilla

C. siren

D. muraena

Answer: c



35. frog and toads belong to order

A. apoda

B. anura

C. urodela

D. caecilia

Answer: b



36. vocal cords develop for the first time in

A. anurans

B. urodelans

C. caecilians

D. none of the above

Answer: a

37. both middle and internal ears occur in

A. cacilians

B. necturns

C. salamander

D. frog and toads.

Answer: d

38. middle ear and tympanum are absent is

A. anura

B. apoda

C. urodela

D. both B and C

Answer: c

39. Necturus possesses

A. two pairs of external gills and three pairs of gill slitsB. three pairs each of extenal gills and gill

slits

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

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





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

Watch Video Solution

41. Nictitating 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

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

43. apoda resemble pisces in

A. presence of dermal scales

B. function-less eyes

C. absence of tail

D. All the above.

Answer: A

44. an eversible cloca for copulation occurs in

the male of

A. Rana

B. necturnus

C. icthyophis

D. hyla

Answer: c

45. salientia is the altternate name of

A. anura

B. urodela

C. apoda

D. none of the above

Answer: a



46. Amphibians evolved in

A. sea

B. fresh water

C. on banks of fresh water

D. land.

Answer: c

Watch Video Solution

47. age of amphibians is

A. carboniferous

B. ordocician

C. devonian

D. cambrain

Answer: a

Watch Video Solution

48. In frog the surface of attachment of tongue is

A. posteriorly

B. anteriorly

C. latterally

D. absent

Answer: b

Watch Video Solution

49. Amphibians are

A. amninotes

B. anomniotes

C. homoeothermic

D. none tetrapod vertebrates.

Answer: b

Watch Video Solution

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

Watch Video Solution

51. Amphibians possess

A. hepatic portal system

B. Renal portal system

C. hypophyseal portal system

D. all the above.





52. In frog the lower eye lid is

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





53. in frog the upper eyelid is

A. absent

B. slightly moves

C. Rapidly movable

D. immovable

Answer: b

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

amphibians

A. tail

B. Teeth

C. scales

D. internal nares.

Answer: d

55. neoteny is found in

A. salamander

B. Rana

C. necturus

D. Ichthyophis

Answer: a



56. salmander is a member of

A. aves

B. amphibia

C. mammalia

D. Reptilia

Answer: b

57. Which one of the following is not a true

amphibian animal

A. salamander

B. toad

C. tortoise

D. frog

Answer: c

58. A limbless amphibian is

A. hyla

B. ichthyophis

C. Alytes

D. bufo

Answer: b



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

Watch Video Solution

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

Watch Video Solution

61. Bull frog of India is

A. Rana tigerina

B. R.sylvatica

C. R. catesbeiana

D. R. esculenta

Answer: a



62. Retention of larval characters even after

sexual maturity is called

A. parthenogenesis

B. ontogenesis

C. phyllogenesis

D. neoteny

Answer: d



63. All vertebrates possess

A. Renal portal system

B. Dorsal hollow central nervous system

C. four chambered ventral heart

D. phoryngeal gill slits.

Answer: b

Watch Video Solution

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





65. Mucus helps frog in forming

A. thick skin

B. Dry skin

C. smooth skin

D. moist skin

Answer: d



66. frog is

A. Ammonotelic

B. Ureotelic

C. Uricotelic

D. none of the above.

Answer: b

67. Neoteny is

A. Axolotl

B. Hyla

C. Salamander

D. Tadpole

Answer: a

68. frog and toads belong to order

A. apoda

B. anura

C. urodela

D. caudata

Answer: b



69. The functional kidney of frog tadpole is

A. archinephros

B. pronephros

C. mesonephrose

D. metanephros.

Answer: b

70. flying frog is

A. Rhacopharus

B. hyla

C. pipa

D. Alytes.

Answer: a



71. neoteny is characteristic of

A. Bufo

B. Icthyophis

C. Ambystoma

D. Rana

Answer: c

72. except mammals, the lungs occur in

A. pleural cavity

B. pleuro-peritoneal cavity.

C. thoracic cavity

D. pericardial cavity.

Answer: b

73. Axolotl is the larva of

A. Amphiuma

B. Silkworm

C. Ambystoma

D. Roundworm

Answer: c

74. Croaking of frog is

A. hunger call

B. sex call for female

C. Danger call

D. musical note.

Answer: b

75. Ichthyophis belongs to

A. amphibia

B. mollusca

C. annelida

D. Reptilia

Answer: a



76. RBCs are nucleated in

A. Rat

B. cat

C. frog

D. Rabbit.

Answer: c



77. which of the following is the smallest taxonomic grounp 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





78. Reproduction in larval stage is known as

A. Paedogenesis

B. parthenogenesis

C. neoteny

D. none of the above

Answer: a

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

A. pisces

B. amphibia

C. Reptilia

D. mammalia

Answer: b

80. Ancestral amphibians were tetrapods that

evolved during

A. Devonian

B. carboniferous

C. cretacous

D. jurassic

Answer: a

81. Aquatic amphibians are ammonotelic in

A. adult stage

B. larval stage

C. immature stage

D. both A and B

Answer: d

82. Three chambered heart of frog is not as efficient as four chambered 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

and the second second

Answer: a



83. In Frog, jelly around the eggs is deposited

A. in water after fertilization

B. in water during fertilization

C. in the oviduct

D. in the overy

Answer: c

84. Opening of rectum in Frog is called

А. саоссух

B. cloaca

C. anus

D. none of the above.

Answer: b

85. Assertion: Amphibians have evolved from fishes.

Reason: Archaeopteryx is a fossil linking fishes

and amphibians.

A. N/A

B. N/A

C. N/A

D. N/A

Answer: c





86. Surinam Toad is

A. pipa

B. Alytes

C. bufo

D. bombinator.

Answer: a

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 galands.

Answer: c



88. Amphibian heart is

A. four chambered

B. three chambered

C. two chambered

D. one chambered.\

Answer: b



89. Structure present in man but absent in frog is

A. salivary glands,

B. pancreas

C. adrenal glands

D. thyroid gland

Answer: a





90. A fully grown tadpole larva of frog respires

through

A. skin

B. Gills

C. lungs

D. tail fin

Answer: b

91. The kidney of frog are

A. archinephros

B. pronephros

C. mesonephros

D. metanephros

Answer: c

92. an ectothermal cold blooded animal is

A. penguin

B. lemur

C. owl

D. frog

Answer: d

Watch Video Solution

93. Midwife toad is

A. bufo

B. Rana

C. pipa

D. Alytes.

Answer: d

Watch Video Solution

94. Hyla or tree frog is

A. Hyla

B. Rhacophorus

C. Alytes

D. Pipa

Answer: a

Watch Video Solution

95. Mesonephric kidney is found in

A. Amphibia

B. Mammalia

C. Reptilia

D. Aves

Answer: a



96. Lateral line system found in fishes has been

lost in Amphibia because of

A. shark

B. catla

C. sea horse

D. frog

Answer: d



97. tail of tadpole is

A. Locomotory organ

B. Attachment organ

C. Digestive organ

D. Excertory organ

Answer: a

Watch Video Solution

98. Presence of gills in tadpole of Frog indicates that

A. frog wil have gills in future

B. frog evolved form gilled ancestors

C. fishes were amphibians in the pasy

D. fishes evolved from frog - like ancestors.

Answer: b

Watch Video Solution

99. in frog oviduct is formed by

A. wolffian duct

B. Bidder's canal

C. metanephric duct

D. mullerian duct





100. frog is amphibian because

A. Aldosterone

B. thyroxine

C. pituitary hormone

D. oxytocin

Answer: d



101. Which one is useful in metamorphosis of

tadpole into frog?

A. Aldosterone

B. thyroxine

C. pituitary hormone

D. oxytocin

Answer: b





102. Neoteny is

A. development of gonads

B. pre - adult animal

C. Retention of larval traits in adult

D. metamorphosis

Answer: c

103. exoskeleton is absent in

A. frog

B. scoliodon

C. Rabbit

D. fowl

Answer: a



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





105. Excretion in tadpole is

A. urerotelic

B. Ammonotelic

C. Uricotelic

D. none of the above.

Answer: b

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

107. Limbless amphibians belong to the order

A. Anura

B. Uroedela

C. Gymnophiona

D. Lissamphibia

Answer: c

108. expskeleton, a characteristic feature of

reptilia is absent in

A. fish

B. aves

C. mammals

D. amphibians

Answer: d

109. Match the columns

C.B.C. Con	Column I	Column II	
a	Euplectella	1.	Sea Pen
b	Physalia	2.	Pin worm
c	Pennatula	3.	Venus Flower Basket
d	Enterobius	4.	Midwife Toad
e	Alytes	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-3d-4,e-5

Answer: d



110. The largest RBC's have been seen in

A. amphibia

B. man

C. Elephant

D. whale

Answer: a



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

, tigina,

Answer: b



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

Watch Video Solution

113. How do you differentiate a frog from a toad ?

A. frog has no exoskeleton but toad has

scales

B. frog respires through lungs but toad

respires through sikn

C. frog has no parotid glands but toad has

a pair of them

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

Answer: c

114. Which one of the following the genus name, its two characters and its class/phylum

are correctly matched?

Genus	1110	Class/ phylum
(1) Salamandra	(i) A tympanum represents ear	Amphibia
(2) Pteropus	 (ii) Fertilization is external (i) Skin N possesses hair 	lammalia
(3) Aurelia	(ii) Oviparous (i) Cnidoblast (iii) Organ leve	
(4) Ascaris	of organization (i) Body segmented (ii) Males and females distin	Annelida

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 numberous and amphicoelous.

IV. Fertilization is external.

A. II and III

B. II and IV

C. I and II

D. I and III

Answer: d

Watch Video Solution

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

Reason (R). Dentine of earliest amphibian fossils was not of folded nature.

(a) A is true but R is false

(b) Both are true R correct explanation of A
(b) both are true but R is not correct
explanation of A
(d) both are false
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.







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 lacrimal glands
(d) Furcula, four chambered heart and palate.

A. syrins, urinary bladder and cloca

B. tympanum , sternum and lacrimal glands

C. harderian gland , sebaceous glands and

larimal glands

D. furcula, four chambered heart and

palate.

Answer: b

Watch Video Solution

118. Dicondylic skull is characteristic feature of

(a) Amphibia and mammalia

(b) Aves and mammalia

(c) Amphibia and reptilia

(d) Reptilia and aves

A. Amphibia and mammalia

B. aves and mammalia

C. Amphibia and reptilia

D. Reptilia and aves.

Answer: a

Watch Video Solution

Check Your Grasp

- 1. An amphibian bearing larvel traits is
 - A. ichthyophis
 - B. bombinator
 - C. salamander
 - D. mud puppy

Answer:

2. Proteus is

(a) marine

(b) fresh water aquatic

(c) cave dweller

(d) desert amphibian

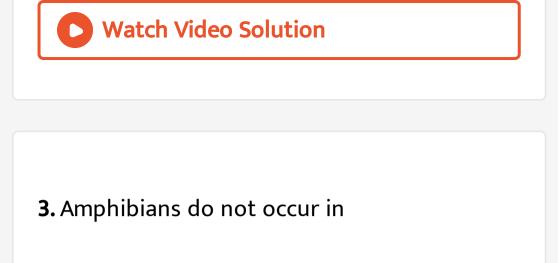
A. marine

B. fresh water aquatic

C. cave dweller

D. desert amphibian

Answer: c



A. land

B. fresh water

C. trees

D. sea

Answer: d

4. Frog respires through

A. skin

B. buccopharyngeal cavity

C. lungs

D. all the above.

Answer:

5. Additional component of heart of frog which is attached to it is

A. sinus venosus

B. truncus arteriosus

C. both A and B

D. Aorta

Answer:

6. In frog, teeth occur on

(a) lower jaw only

(b) upper jaw only

(c) both a and b

(d) none of the above

A. lower jaw only

B. upper jaw only

C. both A and B

D. none of the above

Answer:





7. Amphibian larvae possess

(A) gills

(B) gills and unpaired fins

(C) both paired and unpaired fins

(D) both A and B

A. gills

B. gills and unpaired fins

C. both paired and unpaired fins

D. both A and B

Answer:



8. Head contains sensory tentacles in

- (a) Icthyophis
- (b) Necturus
- (c) salamander
- (d) Alytes
 - A. incthyophis
 - B. necutrus

C. salamander

D. Alytes.

Answer:



9. During breeding season lateral lines develop

in amphibian

(a) salmandar

(b) ambystoma

(c) triturus

(d) hyla

A. salmandra

B. ambystoma

C. triturus

D. hyla

Answer:

10. flying frog Rhacophorus

A. webbed digits.

B. adhesive pads

C. both A and B

D. patagium

Answer:

11. gymnophinona is

A. vermifrom without limbs

B. tailless with long legs

C. extinct and had massive endoskeleton

D. scaleless with well developed tail.

Answer: