

## MAMMALIA

### MULTIPLE CHOICE QUESTIONS

1. *Study of mammals is called:*
  - a) Myology
  - b) Malacology
  - c) Mastology
  - d) Mammology
2. *Which one of the following is regarded as a connecting link between reptiles and mammals?*
  - a) *Archaeopteryx*
  - b) *Echidna*
  - c) *Desmognathus*
  - d) *Dinosaurs*
3. *The primary character present in mammals is the:*
  - a) Regulation of body temperature
  - b) Viviparity
  - c) Mammary gland
  - d) Four-chambered heart
4. *In mammals, limbs are adapted for:*
  - a) Walking and running
  - b) Walking, climbing and swimming
  - c) Walking and burrowing
  - d) All
5. *Presence of seven cervical vertebrae is a characteristic of:*
  - a) Amphibians
  - b) Reptilians
  - c) Aves



- d) Mammals
6. *Hindlimbs are absent in:*
- a) Cetaceans and sirenians
  - b) Pholidota and cetaceans
  - c) Sirenians and hyracoidea
  - d) All
7. *Horse of the river is:*
- a) *Hippocampus*
  - b) *Hippopotamus*
  - c) Whale
  - d) Dolphin
8. *The national mammal of India is:*
- a) Tiger
  - b) Lion
  - c) Elephant
  - d) Cheetah
9. *Graafian follicles are found in the ovary of:*
- a) Amphibians
  - b) Reptiles
  - c) Aves
  - d) Mammals
10. *Uterus and vagina are absent in:*
- a) Elephants
  - b) *Echidna*
  - c) Kangaroos
  - d) Armadillos
11. *Skull is dicondylic in:*
- a) Amphibians

- b) Reptiles and birds
- c) Aves and mammals
- d) Amphibians and mammals

12. *Pinnae are absent in:*

- a) Lagomorpha
- b) Sirenia
- c) Metatheria
- d) Edentata

13. *Match column I with column II and select the correct answer using answer codes:*

<i>Column I</i>	<i>Column II</i>
(A) <i>Pony horns</i>	1. <i>Rhinoceros</i>
(B) <i>Hollow horns</i>	2. <i>Cattle</i>
(C) <i>Antlers</i>	3. <i>Deer family</i>
(D) <i>Keratin fibrous horn</i>	4. <i>Antelope</i>

*Answer codes:*

	A	B	C	D
a)	3	2	4	1
b)	4	1	2	3
c)	4	2	3	1
d)	2	1	3	4

14. *Sweat glands are not lacking in:*

- a) *Cetacea*
- b) *Hippopotamus*
- c) *Talpa*
- d) *Mus*

15. *Milk having the highest percentage of fat is that of:*

- a) Elephants
- b) Cats



c) Porpoises

d) Rats

16. *What is incorrect about perissodactyla?*

a) Gall bladder is lacking

b) True horns are lacking

c) Rumination occurs

d) Premolar and molars are similar

17. *Vagina and uterus are lacking in:*

a) *Zaglossus*

b) *Macropus*

c) *Didelphys*

d) *Phascolomys*

18. *Rabbit is:*

a) Polygamous

b) Coprophagous

c) Harmful to farmers

d) All

19. *Consider the following statements:*

(A) Gorillas have 32 teeth

(B) Gorillas have no tail

(C) Gorillas cannot swim

(D) Molars and canines are large in gorillas

*The incorrect statements are:*

a) A and C

b) B and D

c) A and D

d) None

20. *Eusociality is shown by:*



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- a) Rabbits and hare
  - b) Damaraland mole rats and naked mole rats
  - c) Baboons
  - d) Baboons and chimpanzees
21. *Which one of the following is incorrect about primates?*
- a) Highly intelligent
  - b) Monophyletic
  - c) Stereoscopic vision
  - d) Eusocial
22. *Kleiber's law is applicable to:*
- a) Rats
  - b) Rabbits
  - c) Whales
  - d) All
23. *Which one of the following is incorrect about naked mole rats?*
- a) Eusocial mammal
  - b) Low metabolic rate
  - c) Lack of pain sensation
  - d) Endothermy
24. *Which one of the following is a diagnostic mammalian trait?*
- a) Pelage
  - b) Diaphragm
  - c) Single dentary bone
  - d) Foramen of Panizzae
25. *Ischial callosities is the peculiar feature of?*
- a) Howling monkey
  - b) Gibbon
  - c) Chimpanzee



- d) Gorilla
26. *Which one of the following is known as a sulphur bottom whale?*
- a) Killer whale
  - b) Blue whale
  - c) Sperm whale
  - d) Porpoise
27. *Enlarged caecum is a peculiar feature of:*
- a) Koalas
  - b) Kangaroos
  - c) Hedge hogs
  - d) Flying foxes
28. *Which one of the following is incorrect about nil gai (*Bos laphus*)?*
- a) Family bovidae and order artiodactyla
  - b) Found all over India, except West Bengal
  - c) Horns are solid and present in both sexes
  - d) Two white spots on the cheek and a white ring is present below each fetlock
29. *In metatheria, caudal vertebrae are with chevron bone except in:*
- a) Marsupial moles
  - b) Koalas and wombats
  - c) Marsupial mole and opossums
  - d) Kangaroos
30. *Which one of the following lacks carnassials tooth?*
- a) Otters
  - b) Wild dogs
  - c) Racoons
  - d) Foxes
31. *Penis is provided with a bone in the members of:*
- a) Pinnipedia



b) Ursidae

c) Fissipedia

d) Viverridae

32. *Mammal having the thickest skin is:*

a) Indian elephant

b) African elephant

c) *Rhinoceros*

d) *Hippopotamus*

33. *Skunks use their scent glands as a means of:*

a) Defence

b) Communication

c) Marking of territories

d) Sex attractant

34. *Prototherians are confined to:*

a) Oriental region

b) Ethiopian region

c) Australian region

d) Neo-tropical region

35. *Which one of the following is a sanguivorous mammal?*

a) Desmodus

b) Hedgehog

c) Armadillo

d) Blue whale

36. *Which one of the following never drinks water?*

a) Kangaroo

b) Kangaroo rat

c) Pangolin

d) Walrus



37. *Canines are absent in:*
- a) Guinea pigs
  - b) Mice
  - c) Porcupines
  - d) All
38. *Epipubic bone is found in:*
- a) Rats
  - b) Kangaroos
  - c) Kangaroo rats
  - d) Desmodus
39. *One of the characteristic features of the mammalian brain is the presence of:*
- a) Corpora quadrigemina
  - b) Corpus callosum
  - c) Vermis and lateral lobes
  - d) Pons varolii
40. *Which one of the following is present in rabbits but is absent in frogs?*
- a) Salivary glands
  - b) Thyroid gland
  - c) Islets of Langerhans
  - d) None
41. *Echidna is:*
- a) Primitive mammal
  - b) The connecting link between reptiles and mammals
  - c) Egg-laying mammal
  - d) All
42. *Kangaroo:*
- a) Is a metatheria mammal
  - b) Is a native of the Australian region



- c) Gives birth to immature young ones
- d) All

43. *Which one of the following is correct about armadillo?*

- a) Body is covered with large overlapping horny scales
- b) Has no teeth
- c) Tongue is long and protrusible
- d) All

44. *Which one of the following is correct about whales?*

- a) Blubber is present
- b) Skin glands are absent
- c) Forelimbs are modified into paddle-like flippers and hindlimbs are absent
- d) All

45. *Thermal regulation is shown by:*

- a) Elephants
- b) Mules
- c) Humans
- d) All

46. *Match column I with column II and select the correct match using answer codes:*

*Column I*

*Column II*

- |                                      |                 |
|--------------------------------------|-----------------|
| (a) Baleen                           | I. Otter        |
| (b) Well-developed carnassials teeth | 2. Hippopotamus |
| (c) Skull bones with air spaces      | 3. Elephant     |
| (d) Even toed ungulate               | 4. Whale        |

*Answer codes:*

- |    | A | B | C | D |
|----|---|---|---|---|
| a) | 4 | 2 | 3 | 1 |
| b) | 4 | 1 | 3 | 2 |
| c) | 3 | 1 | 2 | 4 |



d) 1 4 2 3

47. *Which one of the following is not applicable to monotremata?*

- a) Constant body temperature
- b) Corpus callosum
- c) Scrota sac
- d) All

48. *Ambergris is obtained from the:*

- a) Intestinal canal of sperm whales
- b) Musk gland of deer
- c) Fat of pigs
- d) Wool of sheep

49. *Metatherians are mainly confined to the Australian region, except:*

- a) Koalas
- b) Wombats
- c) Bandicoots
- d) Opossums

50. *Uterine gestation is absent in:*

- a) Wombats
- b) Marsupial moles
- c) Spiny anteaters
- d) Giant anteaters

51. *Anthropoids lack:*

- a) Retia mirabilia
- b) Epicondylar foramen
- c) Third trochanter
- d) All

52. *True chorioallontic placenta is found in:*

- a) Wombats



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- b) Bandicoots
- c) Opossums
- d) Koalas

53. *In which one of the following is the 7th vertebra pierced by a foramen for the vertebral artery:*

- a) Humans
- b) Chimpanzee
- c) Hippopotamus
- d) Pig

54. *Consider the following statements:*

- (A) Extremely beautiful
- (B) Eats only leaves of Eucalyptus
- (C) Vestigial trait
- (D) Produces a young one every second year

*This animal is:*

- a) Koala
- b) Opossum
- c) Wombat
- d) Bandicoot

55. *Discontinuous distribution is not applicable to:*

- a) Kangaroos
- b) Bandicoots
- c) Marsupial moles
- d) Opossum

56. *Horny scales over the head, body and tail are found in:*

- a) Wombats
- b) Sloths
- c) Pangolins
- d) Kangaroo rats



57. *Ambergris is soluble in:*

- a) Water
- b) Alcohol
- c) Alcohol and ether
- d) All

58. *Mammals differ from birds in having:*

- a) Single aortic arch
- b) Warm blood
- c) Seven cervical vertebrae
- d) Lack of flight ability

59. Match column I with column II and select the correct answer using answer codes:

Column I	Column II
(A) Pangolin	1. Pinnipedia
(B) Manatee	2. Edentata
(C) Armadillo	3. Sirenia
(D) Sea lion	4. Pholidota
	5. Cetacea

Answer codes:

	A	B	C	D
a)	4	5	2	1
b)	2	3	4	5
c)	1	5	2	1
d)	4	3	2	1

60. *Penis conducts only sperms in:*

- a) Wombats
- b) Pangolins
- c) Echidna
- d) Cape anteaters



61. *Which one of the following is not applicable to mammals?*

- a) Dicondylic skull
- b) Diaphragm
- c) Renal portal system
- d) Graafian follicle

62. *Which one of the following is incorrect about metatheria?*

- a) Discontinuous distribution
- b) Marsupium
- c) Diphyodont
- d) Gestation

63. *Match column I with column II and select the correct answer using answer codes:*

*Column I*

- (A) Digging
- (B) Cursorial
- (C) Scansorial
- (D) Arboreal hanging

*Column II*

- 1. Sloth
- 2. Echidna
- 3. Loris
- 4. Deer

*Answer codes:*

	A	B	C	D
a)	2	1	4	3
b)	1	4	3	2
c)	2	4	3	1
d)	4	2	1	3

64. *Particular mating season is not applicable to:*

- a) Baboons
- b) Giraffes
- c) Humans
- d) All

65. *Smallest man-like ape is the:*



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- a) Gibbon
- b) Chimpanzee
- c) Gorilla
- d) Orangutan

66. *In humans, the number of cervical vertebrae is:*

- a) 9
- b) 8
- c) 7
- d) 6

67. *In whales:*

- a) Hair are absent
- b) Salivary glands are absent
- c) Placenta is zonary
- d) All

68. *The incorrect statement is:*

- a) Hair are mammalian monopoly
- b) Cervical vertebrae are usually seven in mammals
- c) Four-chambered heart is a mammalian monopoly
- d) In mammals, fertilisation is always internal

69. *The only poisonous mammal is:*

- a) Duck-billed platypus
- b) Opposum
- c) Hedgehog
- d) Sloth

70. *The mammal that hibernates during winters is:*

- a) *Echidna*
- b) *Talpa*
- c) Kangaroo



- d) Opposum
71. *Sonar and radar systems are found in:*
- a) Blue whales
  - b) Pangolins
  - c) Bats
  - d) Porcupines
72. *Herbivorous marine mammal is:*
- a) Seal cow
  - b) Sea horse
  - c) Sea hare
  - d) Sea mouse
73. *Hair is absent in the members of order:*
- a) Insectivora
  - b) Chiroptera
  - c) Edentata
  - d) Cetacea
74. *Which one of the following is a characteristic of mammals?*
- a) Warm-blooded
  - b) Paired limbs
  - c) Muscular diaphragm
  - d) Metanephric kidney
75. *Which one of the following is absent in mammals?*
- a) Vertebral column
  - b) Ventral double nerve cord
  - c) Four-chambered heart
  - d) Exoskeleton
76. *Bats belong to the order:*
- a) Chiroptera



b) Carnivora

c) Insectivora

d) Rodentia

77. *Kangaroos are marsupials because:*

a) They have mammary glands

b) Fertilisation is internal

c) They give birth to immature young ones

d) They possess marsupium

78. *Most primitive eutherian is:*

a) Shrew

b) House mouse

c) Orca

d) Porcupine

79. *In elephants:*

a) Upper lip is absent

b) Nose is absent

c) Lower lip is absent

d) Upper lip and nose drawn out in front of mouth as long and prehensile muscular proboscis

80. *In elephants:*

a) Two upper incisors elongated as tusks

b) Canines and premolars are absent

c) Only one or two pairs of molars functional at a time in each jaw for mastication of food

d) None

81. *Placenta is found in:*

a) Reptiles

b) Birds

c) Prototherians



- d) Eutherians
82. *A toothless horny beak is found in:*
- a) Echidna
  - b) Kangaroo
  - c) Opossum
  - d) Whale
83. *Presence of epipubic bone, cloaca, abdominal testis in prototheria, shows its affinity with:*
- a) Reptiles
  - b) Metatheria
  - c) Eutheria
  - d) Aves
84. *A characteristic of Rhinoceros is the presence of:*
- a) Massive body
  - b) Thick skin
  - c) Horn
  - d) Mammary glands
85. *Red sweat is a peculiarity of:*
- a) *Rhinoceros*
  - b) *Hippopotamus*
  - c) Walrus
  - d) Zebra
86. *Which one of the following statements is incorrect?*
- a) Llamas are cousins of camels
  - b) The body of a llama is covered with wooly hair
  - c) Hump is present in llamas
  - d) Llamas are found in South America
87. *The peculiar feature of camels and llamas is the:*
- a) Presence of eunucleated red blood corpuscles



- b) Presence of hump
- c) Presence of wooly hair
- d) Presence of seven cervical vertebrae

88. *Match column I with column II and select the correct answer using answer codes:*

*Column I*

- (A) *Tooth comb*
- (B) *Laughing cry*
- (C) *Fibrous horn*
- (D) *Unable to make sound*

*Column II*

- 1. *African hyaena*
- 2. *Rhinoceros*
- 3. *Giraffe*
- 4. *Loris*

*Answer codes:*

	A	B	C	D
a)	4	3	1	2
b)	2	1	4	3
c)	4	1	2	3
d)	4	2	3	1

89. *Diastema is applicable to:*

- a) Ox
- b) Rabbit
- c) Rat
- d) All

90. *Consider the following statements:*

- (A) *Molars have more than two roots and only two cusps and have milk predecessors*
- (B) *In humans, the last molar is called the wisdom tooth*
- (C) *The tusks of walrus are modified upper canines*
- (D) *Male musk deer lacks canines*

*The incorrect statements are:*

- a) A, C and D
- b) B and C



c) A and D

d) None

91. *In which one of the following does the female produce 4-8 young ones of the same sex?*

a) Shrew

b) Armadillo

c) Porcupine

d) Mongoose

92. *What is correct about protoheria?*

a) Constant body temperature

b) Uterus and vagina are present

c) Corpus callosum is lacking

d) Chordae tenidae are present

93. *Megalecithal egg is found in:*

a) Koalas

b) Echidna

c) Scaly anteaters

d) Bandicoots

94. *Plantigrade locomotion is found in:*

a) Deer

b) Rabbits

c) Asses

d) Humans

95. *Consider the following characteristics:*

(A) Hindlimbs are lacking

(B) Forelimbs are modified into flippers

(C) Feeds on fishes, Mollusus and Arthropods

(d) Highly intelligent mammal

*The animal is:*



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- a) Walrus
  - b) Dolphin
  - c) Whale
  - d) Porpoise
96. *Solitary life is applicable to:*
- a) Hare
  - b) Deer
  - c) Rabbit
  - d) None
97. *The feature which differentiates humans from apes:*
- a) A large brain
  - b) Bipedal gaits
  - c) Sparse body hair and speech
  - d) All
98. *Mammals are viviparous except:*
- a) *Echidna* and opossum
  - b) Opossums and koalas
  - c) *Echidna*
  - d) *Echidna* and whale
99. *Mammals are generally geared to alertness and activity, this is made possible by:*
- a) Four-chambered heart and well-developed lungs
  - b) Constant body temperature
  - c) Muscular diaphragm
  - d) Constant body temperature and high metabolic rate
100. *Blubber present in the body of whales to:*
- a) Prevents loss of heat
  - b) Reduce the specific gravity
  - c) Act as insulator



d) All

101. *Seals are:*

- a) Aquatic carnivores
- b) Terrestrial carnivores
- c) Arboreal insectivores
- d) Aquatic herbivores

102. *Padded feet are a characteristic of:*

- a) Elephants
- b) Goats
- c) Buffaloes
- d) Nilgai

103. *The mammal in which algae grow on hair in order to give a protective colouration:*

- a) Sloth
- b) Pangolin
- c) Whale
- d) Flying fox

104. *Baleen is found in:*

- a) Lions
- b) Rhinoceros
- c) Blue whales
- d) *Echidna*

105. *Sweat glands in humans:*

- a) Are scattered all over the body
- b) Are concentrated around the nose
- c) Are more numerous on palms, soles and armpits
- d) Are only found on palms

106. *The mammal in which the pinna houses the sweat glands:*

- a) Rhinoceros



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- b) Dog
- c) *Echidna*
- d) Hippopotamus

107. *Sweat glands are absent in:*

- a) Cetacea and sirenia
- b) *Mus* and *Talpa*
- c) Spiny anteater
- d) All

108. *In rats, cats and dogs, sweat glands:*

- a) Are absent
- b) Are scattered all over the body
- c) Are found around the nose
- d) Are found in the sole of the feet

109. *The mammal in which sweat glands are present around the lips:*

- a) Rabbits
- b) Humans
- c) Dogs
- d) Whales

110. *The sweat glands are fewer in:*

- a) Polar bears
- b) Humans
- c) *Echidna*
- d) Dogs

111. *Mammary glands are modified:*

- a) Sweat glands
- b) Endocrine glands
- c) Sebaceous glands
- d) None



112. Which one of the following is a correct match?

- a) Placenta - *Prototheria*
- b) Sweat glands - *Echidna*
- c) Blubber - *Echidna*
- d) Horn - *Rhinoceros*

113. Which one of the following statements is correct?

- a) All mammals are oviparous.
- b) All mammals are omnivorous.
- c) All mammals possess dorsal tubular nerve cord.
- d) All mammals possess ventral nerve cord.

114. Pinnae are absent in members of the order:

- a) Cetacea
- b) Rodentia
- c) Proboscidea
- d) Artiodactyla

115. Whales respire through:

- a) Gills
- b) Skin
- c) Lungs
- d) Lungs and Skin

116. Which one of the following is not applicable to Indian female elephants?

- a) Proboscis
- b) Tusk
- c) Pinnae
- d) Flat tail

117. Which one of the following is a semifossorial mammal?

- a) *Taxidea*
- b) *Cynocephalus*



c) *Mus*

d) *Ovis*

118. *Which part of a tooth is used for mastication?*

a) Enamel

b) Root

c) Dentine

d) Crown

119. *A distinct cloaca is found in:*

a) Sloth

b) Echidna

c) Bat

d) Walrus

120. *Eggs of eutherian are:*

a) Microlecithal

b) Mesolecithal

c) Megalecithal

d) Cleidoic

121. *Prototherians are-egg laying mammals and their eggs are:*

a) Alecithal

b) Microlecithal

c) Mesolecithal

d) Megalecithal

122. *Only left-systemic arch is found in:*

a) Mammals

b) Aves

c) Reptiles

d) Amphibians

123. *On the basis of possession of horns, the correct group is:*



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- a) Rhinoceros, Hippopotamus and Giraffa
- b) Rhinoceros, nilgai and goat
- c) Nilgai, Giraffa and Odobenus
- d) Zebra, Giraffa and mule

124. *Teats are lacking in the mammary glands of:*

- a) Kangaroos
- b) *Echidna*
- c) Elephants
- d) Mares

125. *Match column I with column II and select the correct answer using answer codes:*

<i>Column I</i>	<i>Column II</i>
(A) Poison gland	1. Porcupine
(B) Polyembryony	2. Dolphin
(C) Spines on the back	3. Male Echidna
(D) Echolocation	4. Armadillo

Answer codes:

	A	B	C	D
a)	4	1	3	2
b)	3	2	4	1
c)	3	4	1	2
d)	2	4	1	3

126. *Squirrels are found all over the world except:*

- a) New Zealand
- b) Australia
- c) New Guinea
- d) Tropical Africa

127. *Which one of the following statements is correct?*

- a) In humans and bats, the number of cervical vertebrae is seven.



- b) Three-toed sloth has nine cervical vertebrae.
- c) Manatee and two-toed sloth have six cervical vertebrae.
- d) In whales and giraffes, the number of cervical vertebrae is more than nine.

128. *Which one of the following is an extinct marsupial?*

- a) Numbat
- b) *Ekaltadeta*
- c) Red kangaroo
- d) Sugar glider

129. *Which one of the following is a burrowing marsupial?*

- a) Quokka
- b) Numbat
- c) Wombat
- d) Koala

130. *What is incorrect about bandicoots?*

- a) Marsupials found in Australia and New Guinea
- b) Powerful clawed hindlegs
- c) Nocturnal
- d) Herbivorous

131. *Puggle is applicable to:*

- a) *Echidna*
- b) Koala
- c) Kangaroo
- d) Wombat

132. *Which one of the following is incorrect?*

- a) Anteaters are the only mammals lacking teeth.
- b) Two giraffes can have the same pattern of spots.
- c) Two zebras cannot have the same pattern of stripes.
- d) With age chimpanzees may become bald.



133. *The mammal that usually does not need to drink water:*

- a) Koala
- b) Camel
- c) Otter
- d) None

134. *Which one of the following is incorrect?*

- a) Sinus venosus is absent in mammals.
- b) Mature mammalian red blood corpuscles are non-nucleated.
- c) In mammals, fertilisation is always internal.
- d) Mammals eggs are mesolecithal.

135. *Which one of the following is not an exoskeleton of mammals?*

- a) Hair
- b) Scales
- c) Chitin
- d) Hooves

136. *The largest animal is:*

- a) Elephant
- b) Blue whale
- c) Chimpanzee
- d) Lion

137. *In humans, the feet are:*

- a) Plantigrade
- b) Unguligrade
- c) Digitigrade
- d) None

138. *The main characters that differentiate mammals from other vertebrates are:*

- a) Pinnae, hairy skin and oviparity
- b) Nails, mammary glands and oviparity



- c) Hairy skin, mammary glands and placenta
- d) Pinnae, cleidoic egg and hairy skin

139. *Which one of the following is a correct match?*

- a) Cetacea - Whale
- b) Lagomorpha - Rat
- c) Proboscidea - Horse
- d) Digitigrade – Human being

140. *Walrus, seal and sea lion are:*

- a) Mammals
- b) Amphibians
- c) Pisces
- d) Reptiles

141. *Flying lemur is a:*

- a) Nocturnal true flying mammal
- b) Gliding mammal with patagium
- c) Bird
- d) Primates

142. *The fastest running mammal is:*

- a) Lion
- b) Tiger
- c) Deer
- d) Cheetah

143. *Which one of the following are extinct in India?*

- a) Cheetah
- b) Nilgai
- c) Armadillo
- d) Lion

144. *In mammals, the placenta is formed by:*



a) Chorioallantois

b) Amnion

c) Chorion

d) Yolk sac

145. *Mammalian hair are made up of:*

a) Lipoprotein

b) a keratin

c) P keratin

d) Chromoprotein

146. *Which one of the following glands are present in mammals?*

a) Sweat glands and sebaceous glands

b) Mammary glands

c) Scent and meibomian glands

d) All

147. *Dentition in mammals is:*

a) Acrodont, homodont and polyphyodont

b) Acrodont, heterodont and polyphyodont

c) Thecodont, homodont and diphodont

d) Thecodont, heterodont and diphodont

148. *Diaphragm helps in:*

a) Breathing

b) Digestion

c) Keeping the body temperature constant

d) None

149. *Polyembryony is shown by:*

a) Armadillo

b) Opossum

c) Mole



d) *Echidna*

150. *Gestation period is the shortest in:*

a) Echidna

b) Kangaroo

c) Opposum

d) Koala

151. *Most powerful and largest primate is the:*

a) Gorilla

b) Chimpanzee

c) Gibbon

d) Human being

152. *The mammal in which horns are present only in males:*

a) Pig

b) Giraffe

c) Nilgai

d) *Rhinoceros*

153. *Tusks of pigs are modified:*

a) Jaws

b) Incisors

c) Canines

d) None

154. *Gynaecomastism is found in:*

a) *Echidna*

b) Kangaroo

c) Spider monkey

d) Armadillo

155. *The longest gestation period is of:*

a) Giraffe



- b) Cow
- c) Elephant
- d) Buffalo

156. *Canines are absent in:*

- a) Some ungulates
- b) Rodents
- c) Lagomorphs
- d) All

157. *In humans the last molars are called:*

- a) Wisdom teeth
- b) Isodont
- c) Carnassial teeth
- d) None

158. *Match column I with column II and select the correct answer using answer codes:*

*Column I*

- (A) Double vagina
- (B) Tori
- (C) Gall bladder is absent
- (D) Hoofs

*Column II*

- 1. Rat
- 2. Perissodactyla
- 3. Kangaroo
- 4. Ungulates

*Answer codes:*

	A	B	C	D
a)	3	1	2	4
b)	4	2	1	3
c)	2	4	3	1
d)	3	4	1	2

159. *In which one of the following is the monophyodont condition found?*

- a) Sloth
- b) Duck-billed platypus



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c) Toothed whale

d) All

160. Consider the following statements about sirenian:

(A) Bones are spongy and contain oils

(B) Head is lacking

(C) Epiphyses are more distinct

(D) Retia mirabilia is absent

The correct statements are

a) All

b) A, B and C

c) B and D

d) None

161. Scrotum is lacking in:

a) Hedgehog

b) Mole

c) Shrew

d) All

162. Match column I with column II and select the correct answer using answer codes:

Column I (Type of locomotion)

Column II (Mammal)

(A) Digitigrade

1. Zebra

(B) Saltatorial

2. Kangaroo

(C) Leaping

3. Cheetah

(D) Unguligrade

4. Rabbit

Answer codes:

	A	B	C	D
a)	4	2	1	3
b)	3	4	2	1
c)	2	3	4	1



d) 4 3 2 1

163. Consider the following statements:

- (A) Caecum is larger and is vegetarian in comparison to carnivores
- (B) In humans, the distal part of caecum is well developed
- (C) Koala has the shortest caecum
- (D) Caecum is lacking in sloths and cetacean

The correct statements are:

- a) All
- b) A, C and D
- c) B and D
- d) A and D

164. Tapetum cellulosum is found in:

- a) Seals
- b) *Platanista*
- c) *Procavia*
- d) Chiroptera

165. In which one of the following mammals do canine and incisor continue to grow throughout life?

- a) Walrus
- b) Hamster
- c) Ox
- d) Elephant

166. Consider the following statements about hyracoidean:

- (A) Found in India
- (B) Gall bladder is lacking
- (C) Canines are absent
- (D) There are three premolars and four molars

The correct statements are:

- a) All



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b) A and B

c) Band C

d) A and D

167. *In which one of the following are all milk teeth retained except the last premolars?*

a) Chiroptera

b) Marsupials

c) Cetacea

d) Pholidota

168. *Which one of the following is lacking in the stomach of camels?*

a) Rumen

b) Reticulum

c) Omasum

d) Abomasum

169. *In which one of the following do adults retain the embryonic lobulated kidney?*

a) Cetacea

b) Artiodactyla

c) Proboscidea

d) All

170. *Hair are mainly used for:*

a) Protection

b) Beautiful appearance

c) Insulation

d) Sensation

171. *What is common between dolphins and bats?*

a) Echolocation

b) Placenta

c) Mammary glands

d) All



172. *Which one of the following is not a characteristic of mammals?*

- a) Diaphragm
- b) Mammary glands
- c) Exoskeleton
- d) Heterodont dentition

173. *Which one of the following is included in the order pinnipedia?*

- a) Walrus
- b) Sea lion
- c) Seal
- d) All

174. *Cervical ribs are absent in mammals except in:*

- a) Monotremata
- b) Marsupials
- c) Whales
- d) Hyrax

175. *In mammals, the maximum number of cervical vertebrae is found in:*

- a) Camel
- b) Giraffe
- c) Sloth
- d) Shrew

176. *The largest mammalian order is:*

- a) Rodentia
- b) Carnivora
- c) Chiroptera
- d) Primates

177. *Pachyderm is applicable to:*

- a) Bat
- b) Elephant



c) Deer

d) Zebra

178. *Which one of the following is not found in cetacean?*

a) Skull bones with dipole

b) Baleen

c) Foam

d) Melon

179. *Which one of the following is applicable to gibbons?*

a) Live in the rain forests of tropical West Africa

b) Powerful apes

c) Males have a big goiter-like throat sac and two fatty swellings in the cheeks

d) The smallest, cleanest and gentlest anthropoid ape

#### TRUE OR FALSE

1. Mammals can regulate their body temperature. TRUE

2. Skull of mammals is dicondylic. TRUE

3. Cape anteater (*Orycteropus*) is the single genus of order tubulidentata. TRUE

4. In members of the order rodentia, incisors grow throughout life. TRUE

5. Hyperdactyly and hyperphalangy are found in Dolphins. FALSE

6. Monotremes are the most primitive mammals. TRUE

7. Sea lions have distinct external ears. TRUE

8. Howler monkeys are the smallest of the new world monkeys. FALSE

9. Bones of cetaceans are light, spongy and filled with oil. TRUE



10. Blubber helps in changing body volume during deep diving. TRUE
11. Placental mammals became distinct from marsupial during the Cretaceous period. TRUE
12. Placentals and marsupials exhibit divergent evolution. TRUE
13. In dogs, the vertebral column becomes flexible during the course of walking. FALSE
14. The feet of bears and opossum are plantigrade. TRUE
15. Aquatic mammals are unable to modulate sound emitted by them. FALSE
16. Sebaceous glands are lacking in pangolin. TRUE
17. In carnivores, scent glands are present near the anus. TRUE
18. In whales, there are 11 pairs of ribs. FALSE
19. Cetaceans have poor vision but excellent hearing. TRUE
20. Some cetaceans are capable of echolocation. TRUE
21. The tail of cetaceans moves up and down. TRUE
22. The fastest mammal in the air is the big brown bat *teptesicus fuscus*. TRUE
23. Walruses are larger than seals. TRUE
24. The rhesus monkey is not found in India. FALSE
25. Opossum is omnivorous. TRUE
26. In metatheria, the cleavage is meroblastic. FALSE
27. Koala is monophagus. TRUE
28. Salivary gland is present in cetaceans. FALSE
29. *Mantus* lacks incisors. TRUE
30. Gall bladder is lacking in artiodactyla. FALSE
31. The number of skull bones in mammals is 28. FALSE
32. In perissodactyla, cervical vertebrae are opisthocoelous. TRUE
33. Foramen transversarium in the cervical vertebrate is the characteristic of mammals. TRUE
34. In bats, the ulna is very long. FALSE
35. Monotremes lack ventral abdominal vein. FALSE



36. Dental formula of *Macropus* is 5.1.3.4/5.1.3.4. FALSE
37. Dentine is tubular in tubulidentata. TRUE
38. Tusks in pigs are modified canines. TRUE
39. *Desmodus* is sanguivorous. TRUE
40. Genetically, human beings and dogs are 97 per cent the same. TRUE

