



1. Body temperature of Lizard when lie on rock is ?

- A. 38°C
 - B. 32°C
 - C. 36.5°C
 - D. 37°C**
-

2. Counter current multiplier is the property of ?

- A. Birds
 - B. Reptiles
 - C. Mammals**
 - D. None
-

3. parapineal organ is prominent in ?

- A. Lizards
 - B. Birds
 - C. Sphenodon**
 - D. All
-

4. Cerebellum is best developed in lizards ?

- A. Yes
 - B. No**
-

**5. Loreal pits, heat sensing structure present in ?**

- A. Python family
- B. Anaconda
- C. Cobras

D. Viperidae family

6. -- have salt excreting glands in their palate ?

- A. Lizards
- B. American opossum

C. Sea snakes

D. All

7. Eustachian tube absent in ?

A. Snakes

- B. Humans
 - C. Horses
 - D. All
-

8. Courtship in snakes and lizards may involve the use of hormone that ensure that courtship and copulation occurs between same species ?

A. Pheromones

B. Oxytoci



- C. Testosterone
 - D. None of these
-

9. Form of asexual reproduction present in lizards ?

- A. Budding
 - B. Parthenogenesis**
 - C. Cloning
 - D. All of these
-

10. Unlike mammals, the upper jaw of all birds is ?

- A. Movable
 - B. Freely movable
 - C. Immovable**
 - D. ALL
-

11. The upper beak in birds is supported by ?

- A. Mandible
 - B. Maxilla**
 - C. Vomer
 - D. Dentary bones
-

12. Skull bones in birds are composed of framework of ?



- A. Lignin
 - B. Collagen
 - C. Keratin**
 - D. Fibrin
-

13. Flightless birds such as ostrich lacked the keeled sternum ?

- A. YES**
 - B. NO
-

14. In birds, pectoral muscles and humerous provides the power of Swimming ?

- A. YES
 - B. NO**
-

15. Birds depend on their beaks to preen their feather ?

- A. YES**
 - B. NO
-

16. Process of providing and obtaining food necessary for growth and health is called ?



A. Nutrition

B. Excretion

C. Digestion

D. Respiration

17. Mouth of reptiles directly opens into ?

A. Buccal cavity

B. Oesophagus

C. Pharynx

D. Larynx

18. Oesophagus is a muscle and helps food to move into stomach of Reptiles ?

A. Yes

B. No

19. Haemoglobin bearing cells are ?

A. Leukocytes

B. Erythrocytes

C. Thrombocytes

D. All of these

**20. In reptiles, colour of plasma is ?**

- A. Green
 - B. Red
 - C. Color less**
 - D. Yellow
-

21. Cells that assist in clotting are ?

- A. Leukocytes
 - B. Erythrocytes
 - C. Thrombocytes**
 - D. None of these
-

22. Few crotaline snakes have green yellow blood ?

- A. Yes**
 - B. No
-

23. Muscular contraction of the ventricles is single phase in ?

- A. crocodiles
 - B. turtles and squamates**
 - C. monitor lizards
 - D. snakes
-



24. The opening in the floor of pharynx is known as ?

- A. larynx
 - B. trachea
 - C. faveoli
 - D. glottis**
-

25. Pharyngeal gas exchange is particularly well developed in ?

- A. soft shelled turtles**
 - B. musk turtles
 - C. snapping turtles
 - D. pond sliders
-

26. The volume of pleura-peritoneal cavity is increased during Exhalation ?

- A. yes
 - B. No**
-

27. Crocodiles have unidirectional air flow in their lungs similareto avian respiratory system ?

- A. yes**
 - B. no
-



28. Afiloplume consists of ?

- A. a short calamus and a long rachis**
 - B. a short calamus and lack rachis
 - C. long calamus and short rachis
 - D. none of these
-

29. Which of the following is true for rachis?

- A. hollow and tubular
 - B. inserted into follicle of skin
 - C. fan like and webbed
 - D. closely packed mass of pith cells**
-

30. Lungs of reptiles are surrounded by ?

- A. intercostal muscles
 - B. diaphragm
 - C. peritoneum**
 - D. rib cage
-

31. Birds have body temperature that range from about...?

- A. 40_44F
- B. 104_111°C
- C. 104_111F**
- D. 40_45°C



32. The feathers are unique structures that are found only in birds ?

A. Yes

B. No

33. Endotherms means that they can maintain a constant (high) body temperature ?

A. Yes

B. No

34. Most species of birds that use Troper are very small example is ?

A. sparrow

B. Robin

C. Humming birds

D. Falcon

35. In birds only a small percentage of nephron.....contain a loop of Henly ?

A. 10_15 percent

B. 15_29 percent



C. 15_25 percent

D. 20_30 percent

36. The medullary cone of birds include.....?

A. Loop of Henly

B. Collecting Duct

C. Vasa Recta

D. All of these

37. A reptilian type of kidney in birds have no loop of Henly,located in medulla ?

A. Yes

B. No

38. Contraction of birds pectoral muscles pull the wings downward ?

A. Yes

B. No

39. The concentrating ability of avain kidneys is more limited than in ?



- A. Reptiles
 - B. Birds
 - C. Fishes
 - D. Mammals**
-

40. Polyandry is spotted in ?

- A. Gouse
 - B. Peacock
 - C. Sandpipers**
 - D. None
-

41. Yolk is a -- rich food store ?

- A. Protein
 - B. Cholesterol
 - C. Fat**
 - D. All
-

42. Development will only resume in optimal conditions after rising Temperature to 36.7°C ?

- A. True
 - B. False**
-



43. Many birds have non functional salt glands ?

A. Yes

B. No

44. Gaseous exchange occurs through ?

A. Amnion

B. Allantoises

C. Yolk sac

D. Shell

45. Longitudinal migration occurs mostly in birds of ?

A. Australia

B. America

C. Europe

D. All

46. The weight of Small radio transmitter is about ?

A. 2-3 gm

B. 4-5 gm

C. 4-7 gm

D. 7-8 gm



47. Nutrients are provide by the female through some form of placenta in which type of viviparity ?

- A. Hemotrophic viviparity**
 - B. Placental viviparity
 - C. Ovoviviparity
 - D. Viviparous
-

48. In mammals the shortest gestation period of _____ occurs in American opossum ?

- A. 122/2 days
 - B. 121/2 days**
 - C. 141/2 days
 - D. 152/2 days
-

49. King cobras are one of the deadliest species of venomous snakes ?

- A. No
 - B. Yes**
-

50. Developing young are attached to placenta by means of umbilical cord ?

- A. Yes**
 - B. No
-



51. Following are the function of placenta ?

- A. Gas exchange
 - B. Nutrient supply
 - C. Removal of waste
 - D. All of these**
-

52. To maintain negative balance during cold exposure animals need to adapt their food intake behavior ?

- A. No**
 - B. Yes
-

53. In early life stem cells differentiate into melanocytes the pigments of _____?

- A. Skin
 - B. Hair
 - C. Both A and B**
 - D. None of these
-

54. The guard hairs, the shorter coarse hairs, are the most apparent on the surface of fur ?



- A. Yes
 - B. No**
-

55. Follicles enter the resting stage which may last for several _____ ?

- A. Days or months
 - B. Months or years
 - C. Weeks or months**
 - D. Days or years
-

56. Mammals that give birth to young ones belong to subclass ?

- A. Eutheria**
 - B. Metatheria
 - C. Prototheria
 - D. None
-

57. Prototheria also known as monotremes ?

- A. No
 - B. Yes**
-

**58. Molars are ?**

- A. At back of jaws
 - B. Large
 - C. For crushing
 - D. All of these**
-

59. Mammals that feed on grass and vegetation form groups ?

- A. Browsers
 - B. Grazers
 - C. Both of these**
 - D. None
-

60. This adaptation allows animal to blend in surroundings ?

- A. Protective coloration**
 - B. Mimicry
 - C. Migration
 - D. Hibernation
-

61. Herbivores generally have large, long digestive tracts ?

- A. No
 - B. Yes**
-



62. Carnivores mammals mainly feed on omnivores ?

- A. No
 - B. Yes
-

63. Mammals in arctic have ?

- A. Insulating layers
 - B. Thick layers of fats
 - C. Fur
 - D. All of these**
-

64. The blood pressure in mammals is highest in ?

- A. Aorta**
 - B. capillary
 - C. veins
 - D. Venules
-

65. The mass of mammalian heart is ?

- A. 0.54 Percent of the body mass
 - B. 0.32 percent of the body mass
 - C. 0.59 Percent of the body mass**
 - D. 0.60 Percent of the body mass
-



66. During the process of erythropoiesis in red bone marrow, the cells contain ?

- A. Nucleus and ribosomes
 - B. Nucleus only
 - C. Nucleus and mitochondria
 - D. Nucleus, ribosomes and mitochondria**
-

67. Most mammals have teeth composed of ?

- A. Dentin
 - B. Dentin and enamel**
 - C. Enamel only
 - D. None of these
-

68. The esophageal sphincter is located at ?

- A. Where esophagus starts
 - B. Where oral cavity ends
 - C. Where esophagus enters the stomach**
 - D. None of these
-

69. Cartilaginous rings surround the trachea to prevent it from collapsing ?

- A. Yes**
- B. No



70. Some insectivorous mammals have tongue as long as their entire body ?

A. Yes

B. No

71. Small intestine in most mammals is long and convulated ?

A. Yes

B. No

72. The descending colon terminates in the cecum ?

A. Yes

B. No

73. Large intestine consists of ?

A. Colon

B. Cecum

C. Rectum

D. All of these



74. Ventral to the oropharynx is laryngopharynx ?

A. Yes

B. No

75. The larynx or voice box which is located near the anterior end of ?

A. Trachea

B. Esophagus

C. Pharynx

D. None of these

76. Examples of endotherm are ?

A. Humans

B. Birds

C. Both A and B

D. All of these

76. The lungs of most mammals are divided into ?

A. 2 lobes

B. 3 lobes

C. 4 lobes

D. 5 lobes



77. Deep diving mammals use their lungs as their major oxygen store house ?

A. Yes

B. No

78. The entire brain is enclosed and protected by how many meninges ?

A. Two

B. Three

C. Four

D. None

79. The hypothalamus contain cluster of nuclei that control autonomic function of the body ?

A. Water balance

B. Temperature regulation

C. Sleep and waking

D. All of these

80. The proportion of brain to body size is usually great in mammals than in other vertebrates ?

A. Yes

B. No



81. Major regions of the adult brain ?

- A. Two
 - B. Three
 - C. Four**
 - D. None
-

82. The habenula contributes to the coordination of olfactory reflexes ?

- A. Yes**
 - B. No
-

83. A dog can perceive higher frequencies that are completely inaudible to human ?

- A. 16,000-20,000Hz
 - B. 30,000-40,000Hz**
 - C. 40,000-60,000Hz
 - D. 10,000Hz
-

84. A tragus is a fleshy projection rising from the inner base of ear ?

- A. Yes**
 - B. No
-



85. All mammals have a middle ear that contain bones ?

- A. Malleus and anvil
 - B. Incus and stapes
 - C. Incus and malleus
 - D. Malleus, incus and stapes**
-

86. Vomeronasal (Jacobson's) organs are well developed in ?

- A. Monotremes
 - B. Marsupials
 - C. Insectivores
 - D. All**
-

87. The regulation or maintenance of a constant body fluid or internal environment is called ?

- A. Osmoregulation
 - B. Thermoregulation
 - C. Homeostasis**
 - D. Excretion
-

88. They connect the kidney to the inferior vena cava ?



- A. Renal arteries
 - B. Rennal veins**
 - C. Renal cortex
 - D. All
-

89. Taste buds are abundant in mammals and are found mainly on the tongue, palate and larynx ?

- A. Yes
 - B. No**
-

90. Chemicals that elicit a response from the other members of the same species are known as pheromones ?

- A. Yes**
 - B. No
-

91. Elimination of nitrogenous waste in the form of urea is called ureotelism ?

- A. Yes**
 - B. No
-



92. The passive biological system that removes excess material from the body of an organism ?

- A. Excretory system
 - B. Circulatory system
 - C. Thermoregulation
 - D. None if them
-

93. The formation of excretory product in the form of ammonia is called ?

- A. Ammonotelism
 - B. Ureotelism
 - C. Uricotelism
 - D. All
-

94. In selective reabsorption how many percent filtrate is absorbed?

- A. 99 percent
 - B. 98 percent
 - C. 97 percent
 - D. 95 percent
-

95. How many nephrons are present in each kidney?

- A. 1-1.5 billion
- B. 1-1.2 billion



- C. 1-1.5 million
 - D. 1-1.2 million**
-

96. Renal tubules consist of four parts ?

- A. Yes**
 - B. No
-

97. First process in urine formation is ?

- A. Ultra-filtration
- B. Glomerulus filtration
- C. Both**
- D. None of these