

ZOOLOGY MODEL TEST 1

1. In Man, nasal cavity is separated from the buccal cavity by a bone called
 - a. Palate complex
 - b. Lingual bone
 - c. Soft palate
 - d. Hyoid apparatus
2. BMR decreases under the following conditions except
 - a. State of starvation
 - b. Hypothyroidism
 - c. Old age
 - d. Hypertension
3. Hemophilia is caused due to the lack of
 - a. ADH
 - b. STH
 - c. AHF
 - d. ACTH
4. Man's superiority over other animals is primarily due to
 - a. Erect posture
 - b. Large brain
 - c. Free forelimbs
 - d. Eyes located in front
5. Which is not in the direction of evolution of man
 - a. Raised supra orbital ridges
 - b. Developed brain
 - c. Binocular vision
 - d. Opposable thumb
6. Sensory ganglion concerned with spinal reflex is located in
 - a. Cutaneous sense organs
 - b. Dorsal root of spinal cord
 - c. Ventral root of spinal cord
 - d. Dorsal side of spinal cord
7. The 5th cranial nerve of Frog is named as
 - a. Glossopharyngeal
 - b. Trochlear
 - c. Facial
 - d. Trigeminal
8. Which one is purely motor nerve
 - a. Facial
 - b. Vagus
 - c. Trochlear
 - d. Trigeminal

9. Bulk of nitrogen in nature is fixed by
 - a. Lightning
 - b. Symbiotic bacteria
 - c. Denitrifying bacteria
 - d. Chemical degradation
10. Expiration after full inspiration is called
 - a. Vital capacity
 - b. Lung capacity
 - c. Tidal volume
 - d. Residual volume
11. In rabbit, the number of thoracic ribs is
 - a. 10-11 pairs
 - b. 11 – 12 pairs
 - c. 12 – 13 pairs
 - d. 13 – 14 pairs
12. Acromial process is found in
 - a. Pelvic girdle of mammals
 - b. Pectoral girdle of mammals
 - c. Skull of mammals
 - d. Sternum of mammals
13. The present century has witnessed remarkable increase in the population of the world and specially in India. One major factor for this is that
 - a. Older people have begin to live longer
 - b. More children are born in each family
 - c. Many children per family begin to reach the reproductive age
 - d. Many people are marrying in younger age group
14. One common characteristic of both Frog and Rat is the presence of
 - a. Sternal ribs
 - b. Renal portal system
 - c. Cervical vertebrae
 - d. Hepatic portal system
15. Antrum of Highmone is a space found in
 - a. Tesis
 - b. Ovary
 - c. Maxilla
 - d. Graffian follicle
16. The Humming bird Hawk and Humming moth illustrate
 - a. Adaptive radiation
 - b. Homology
 - c. Convergent evolution
 - d. Divergent evolution
17. The most polluted city in the world is
 - a. Tokyo
 - b. New York

- c. Kolkotha
 - d. Mexico
18. Animals in cold regions have fur because
- a. Hair is good insulating material
 - b. Hair trap air which act as insulator
 - c. They are decorative
 - d. Hair protect them from cold
19. Animals adapted for digging are
- a. Cursorial
 - b. Fossorial
 - c. Arboreal
 - d. Pelagic
20. Absence of thumb is characteristic of
- a. Monkey
 - b. Rabbit
 - c. Gorilla
 - d. Frog
21. Extreme specialization and extinction of great reptiles occurred in the Epoch
- a. Permian
 - b. Triassic
 - c. Jurassic
 - d. Cretaceous
22. There is more competition for survival between
- a. Different animals of same Niche
 - b. Same animals of same Niche
 - c. Different animals of different Niche
 - d. Same animals of different Niche
23. Fire was first used for protection and cooking by
- a. Jawa man
 - b. Neanderthal man
 - c. Peking man
 - d. Cromagnon man
24. Which one of the fossil man was an expert in making tools and was an Artist
- a. Homo erectus
 - b. Pithecanthropus erectus
 - c. Homo neanderthalensis
 - d. Homo sapiens fossilis
25. Benthos is the term used for
- a. Total organisms in an area
 - b. A large ecological community
 - c. Bottom dwellers
 - d. A particular role of organisms in an ecosystem
26. Chronic alcoholics are always short of
- a. Proteins

- b. Glucose
 - c. Vitamin C
 - d. Fatty substances
27. Formation of Fats from surplus glucose is known as
- a. Glycolysis
 - b. Lipogenesis
 - c. Gluconeogenesis
 - d. Glycolysis
28. Toxic material after Proteolysis of Hemoglobin is
- a. Haematin
 - b. Haem
 - c. Haemozoin
 - d. Schffner's dots
29. Contraction of Uterine blood vessels leading to sloughing of uterine epithelium is caused by
- a. Decrease in the level of Oestrogen and Progesteron
 - b. Increase in the level of Oestrogen and Progesterone
 - c. Decrease in the level of Steroids
 - d. Increase in the level of Testosterone
30. Subtentacular cells are found in
- a. Testis of Rabbit and are nutritive
 - b. Kidney of Frog and are excretory
 - c. Liver of vertebrates and are secretory
 - d. Brain of Rabbit and are concerned with memory
31. What causes the liquid part of blood to filter out from glomerulus into renal tubule
- a. Osmosis
 - b. Hydrostatic pressure
 - c. Diapedesis
 - d. Dialysis
32. Study of preservation of dead organisms in liquid chemical method is called
- a. Urobiology
 - b. Chondrobiology
 - c. Cryobiology
 - d. Dermatology
33. Catabolism of proteins and fats in the liver to yield glucose is called
- a. Gluconeogenesis
 - b. Glycogenolysis
 - c. Glycogenesis
 - d. Glycolysis
34. In the Ornithine cycle, the enzyme Arginase breaks down Arginine into
- a. Citrulline and Urea
 - b. Ornithine and Ammonia
 - c. Ornithine and Urea
 - d. Citrulline and Ammonia

35. Each spinal nerve in Frog arises from the spinal cord by two roots – a dorsal and ventral root. Of these the ventral root is composed of
- Somatic motor and Visceral motor fibres
 - Somatic sensory and Visceral motor fibres
 - Somatic sensory and Visceral sensory fibres
 - Somatic motor and Visceral sensory fibres
36. Mammals evolved from the Reptiles in the Epoch]
- Cretaceous
 - Triassic
 - Devonian
 - Carboniferous
37. Hemopoiesis in Frog normally occurs in
- Bone marrow
 - Liver and Kidney
 - Spleen
 - Cartilage
38. According to Neo – Darwinian theory, which of the following is responsible for the Origin of new species
- Mutations
 - Useful variations
 - Mutations together with Natural selection
 - Hybridization
39. Meissenners corpuscles are found in
- Tongue
 - Skin
 - Brain
 - Nerve cell
40. Ciliary muscles are present in
- Joint of two bones
 - Joint of Sclera and Iris
 - Inter auricular septum of Heart
 - Inter ventricular septum of Heart
41. Geological evidence of most primitive mammals is found in
- China
 - Central Africa
 - Australia
 - Shivalik hills of India
42. When a nerve fibre is stimulated, the inside membrane becomes
- Negative
 - Positive
 - Depolarised
 - Repolarised
43. Species inhabiting different geographical areas are

- a. Allopatric
 - b. Sympatric
 - c. Morphospecis
 - d. Sibling species
44. The conversion of Plasmosol into Plasmagel and vice versa is
- a. Biochemical phenomenon
 - b. Physico-chemical phenomenon
 - c. Chemical phenomenon
 - d. Physical phenomenon
45. Schizont stage in the life cycle of Malarial parasite occurs in
- a. Erythrocytes of man
 - b. Stomach of Anopheles
 - c. Blood of man
 - d. Liver of man
46. Schuffner's dots are observed in the Erythrocytes of man if infected by
- a. Plasmodium falciparum
 - b. P. malariae
 - c. P. ovale
 - d. P. vivax
47. A chamber common to all types of canal system of sponges is called
- a. Paragastric cavity
 - b. Radial chamber
 - c. Excurrent canal
 - d. Incurrent canal
48. Which one of the following Sponges is harmful to the Oyster industry
- a. Cliona
 - b. Spongilla
 - c. Euspongia
 - d. Hyalonema
49. Hydra receives impulses and stimuli through its
- a. Nerve net
 - b. Nematocysts
 - c. Sensory cells
 - d. All these
50. The mesoglea in Hydra is traversed by
- a. Sensory cells
 - b. Nerve cells
 - c. Interstitial cells
 - d. All these
51. The cuticle of Ascaris is secreted by
- a. Muscular layer of body wall
 - b. Epidermis
 - c. Syncytium
 - d. Skin

52. The function of Porphyrin which imparts colour to the Earthworm is to
- Help in respiration
 - Help in reproduction
 - Protect against harmful light rays
 - Protect against harmful germs
53. The blood of Cockroach contains no respiratory pigment. It means that
- Cockroach does not respire
 - Respiration is anaerobic
 - Oxygen goes directly into tissues by diffusion
 - Oxygen goes directly into tissues by intra-cellular capillary system
54. The Corpora allata is an endocrine gland of insects situated in the head. It secretes a hormone called Juvenile hormone which regulates
- Growth
 - Metamorphosis
 - Moulting
 - All these
55. Rhabdom is present in
- Compound eye of insect
 - Simple eye of insect
 - Anal styles of insect
 - Eye of mammals
56. Yellow fever is transmitted by
- Culex
 - Aedes
 - House fly
 - Anopheles
57. In Honey bees, the Pollen basket for storing the pollens is situated in
- Mouth
 - Tibia
 - Honey spoon
 - Galae
58. Gambusia is
- Pest on fish
 - Pathogenic fish
 - Parasitic fish
 - Predator fish of Mosquito
59. Male frogs can croak louder than females because being
- Large in size
 - Large sound box
 - Stronger
 - Large Vocal sacs
60. Which one of the Amphibians has no tongue
- Amphiuma

- b. Ichthyophis
 - c. Salamander
 - d. Necturus
61. Fire bellied toad is
- a. Salamandra
 - b. Discoglossus
 - c. Necturus
 - d. Amphiuma
62. The common name of Necturus is
- a. Mud puppy
 - b. Cave salamander
 - c. Congo eel
 - d. Hell bender
63. The moulting or shedding of skin in snakes is done by
- a. Cornified cells
 - b. Stratum germinativum
 - c. Epidermis
 - d. Dermis
64. A Pigeon in the absence of Down feathers will not be able to
- a. Fly for long distance
 - b. Protect against ecto parasites
 - c. Exhibit sexual dimorphism
 - d. Keep the body warm
65. King fisher is a bird in which the feet are
- a. Perching type
 - b. Wading type
 - c. Raptorial type
 - d. Running type
66. In Pigeon the milk is secreted in both sexes by
- a. Gizzard glands
 - b. Liver
 - c. Crop glands
 - d. Salivary glands
67. The most important character of Mammal is
- a. Presence of Thecodont dentition
 - b. Four chambered Heart
 - c. Presence of Corpus callosum
 - d. Presence of Diaphragm
68. Desert Rat in extreme dry condition
- a. Store water
 - b. Looses water
 - c. Uses metabolic water
 - d. Conserve water through kidneys
69. All mammals have hair except in order

- a. Cetacea
 - b. Chiroptera
 - c. Rodentia
 - d. Primata
70. Eutherians are characterized by
- a. Skin with glands
 - b. Hairy skin
 - c. True placentation
 - d. Locomotory hind limbs
71. Gaucher's disease is associated with
- a. Abnormal protein metabolism
 - b. Abnormal carbohydrate metabolism
 - c. Malnutrition
 - d. Abnormal fat metabolism
72. Ber-beri a paralytic disease is caused by the deficiency of Vitamin B (Thiamine). It was discovered by
- a. Funk
 - b. G.E. Foxon
 - c. Eijkman
 - d. Stanley
73. Mental retardation in children suffering from Galactosemia can be avoided by giving them
- a. More milk
 - b. Milk free diet
 - c. Milk fortified with Vitamins
 - d. More protein diet
74. Some animals like Rabbit eat their feaces to get the cellulose digested and to get essential amino acids. Such animals are
- a. Omnivores
 - b. Coprophagus
 - c. Microphagus
 - d. Macrophagus
75. In people addicted to alcohol, the liver gets damaged because it
- a. Has to detoxify the alcohol
 - b. Stores excess of glycogen
 - c. Is over stimulated to secrete bile
 - d. Accumulates excess fats
76. Conversion of Starch into maltose is brought about by
- a. Invertase
 - b. Diastase
 - c. Zymase
 - d. Lipase
77. Whartons duct in man is associated with
- a. Female reproductive system
 - b. Brunner's gland

- c. Sub maxillary gland
 - d. Sub lingual gland
78. Respiratory mechanism is controlled by
- a. Central nervous system
 - b. Sympathetic nervous system
 - c. Para sympathetic nervous system
 - d. Autonomic nervous system
79. Percentage of Oxygen in the inhaled air in man is about
- a. 21
 - b. 1
 - c. 78
 - d. 43
80. In which form CO₂ is carried in the blood
- a. Sodium carbonate
 - b. Sodium bicarbonate
 - c. Potassium carbonate
 - d. Potassium bi carbonate
81. Which is the vertebra representing the caudal region in Frog
- a. Ilium
 - b. Pubis
 - c. Ischium
 - d. Urostyle
82. At times the Ligaments are over stretched or torn. It is
- a. Dislocation
 - b. Fracture
 - c. Sprain
 - d. Tension
83. Contraction of Muscle of shortest duration is seen in
- a. Jaws
 - b. Eyelids
 - c. Heart
 - d. Intestine
84. Longest visceral muscles are found in
- a. Vas deference
 - b. Normal uterus
 - c. Pregnant uterus
 - d. Abdomen
85. Human spleen
- a. Control pulse rate
 - b. Secrete hormone
 - c. Control heart regulation
 - d. Control blood volume
86. Buffer salts present in the blood are
- a. Potassium

- b. Sodium
 - c. Potassium and Sodium
 - d. Cobalt, Potassium and Sodium
87. Thrombosis in which coronary artery is more frequent in Myocardial Infraction
- a. Right coronary artery
 - b. Left anterior descending artery
 - c. Left circumflex coronary artery
 - d. Right circumflex coronary artery
88. To ensure effectiveness of reproduction and survival of embryo in mammals is
- a. Formation of Yolk sac
 - b. Retention of Embryo in female
 - c. Reduced number of eggs
 - d. Formation of Placenta
89. The Camel's hump is composed of a tissue which provides water when oxidized. It is
- a. Skeletal
 - b. Muscular
 - c. Ariolar
 - d. Adipose
90. Which one of the fossil man stood first or first fossil man
- a. Australopithecus
 - b. Homo erectus
 - c. Sinanthropus
 - d. Gigantropithecus
91. In the embryo, first Hemopoiesis takes place in
- a. Mesenchymal cells in Yolk sac
 - b. Liver cells
 - c. Spleen
 - d. Red bone marrow
92. Expulsion of completely developed foetus from the uterus is due to
- a. Prostaglandin and Oxytocin
 - b. Prolactin
 - c. Chorionic gonadotrophin
 - d. Leutinizing hormone
93. Graft of an organ like kidney between genetically dissimilar people is
- a. Hemigraft
 - b. Allograft
 - c. Autograft
 - d. Demigraft
94. The function of Tonsils is
- a. Secretion of Antitoxins
 - b. Vestigial organ
 - c. Aid in the formation of WBC
 - d. Production of Red cells
95. Liger is the hybrid between

- a. Male lion and female tiger
 - b. Male tiger and female lion
 - c. Male panther and female tiger
 - d. Male lion and female panther
96. In Red deer herd, the leader of the herd is
- a. Male
 - b. Female
 - c. Young ones
 - d. Elderly pair
97. The hormone for implantation is
- a. Oestrogen
 - b. Progesterone
 - c. FSH
 - d. LH
98. Which one shows Altruistic behaviour
- a. Honey bee
 - b. Shrew
 - c. Dog
 - d. Butterfly
99. Marine Sea gulls and Penguins eliminate excess of NaCl through
- a. Rectal glands
 - b. Nasal glands
 - c. Preen glands
 - d. Lacrymal glands
100. Type of metamorphosis in Butterfly is
- a. Complete
 - b. Incomplete
 - c. No metamorphosis
 - d. Hemi metamorphosis
101. Cochinal insects are introduced to control
- a. Water hyacinth
 - b. Parthenium
 - c. Nelumbo
 - d. Vallisneria
102. Hypercholesterolemia is due to excess intake of
- a. Saturated fat
 - b. Carbohydrate
 - c. White meat
 - d. Iron
103. Corpora Quadrigemina concerning important motor coordination are
- a. 2 round bodies in the ventral region of mid brain
 - b. 4 round bodies in the dorsal region of mid brain
 - c. 4 round bodies in the dorsal region of fore brain
 - d. 4 round bodies in the dorsal region of hind brain

104. Yellow spot in the area of Retina where
- Rods are absent and more Cones present
 - Cones are absent
 - Rods and Cones are absent
 - Both Rods and Cones are present
105. When a Striated muscle activate, which of these would inflow
- PO₄ ions
 - Na ions
 - K ions
 - Ca ions
106. What is the connection of Pituitary with Hypothalamus
- Both arise from Procencephalon
 - Both arise from Fourth ventricle
 - Both arise from Diencephalon
 - Both arise from Rhombencephalon
107. Principle action of Parathormone (PTH) is
- Decrease in blood calcium
 - Increase in blood calcium
 - Fall in blood potassium
 - Rise in blood potassium
108. The action of Aldosterone is
- Increase in the retention of Na and elimination of K
 - Increase in the retention of K and elimination of Na
 - Lowers blood sugar level
 - Adrenal virilism
109. The infective stage of Entamoeba histolytica is
- Mature cyst
 - Trophozoite
 - Sporozoite
 - Premature cyst
110. The scientist who first demonstrated the behaviour of Bees to locate flowers is
- Watson
 - Puling
 - K. Von. Frisch
 - Haldane
111. Peyer's patches are found in mammalian
- Duodenum
 - Ileum
 - Sacculus rotundus
 - Colon
112. The effect of Parasympathetic nervous system on heart is
- Increase heart rate
 - Decrease heart rate

- c. No action
 - d. Both a and b
113. Disease Marasmus is caused
- a. Protein and Calorie deficiency in infants below one year
 - b. Protein and Calorie deficiency in infants above one year
 - c. Carbohydrate and Calorie deficiency in infants above one year
 - d. Carbohydrate and Calorie deficiency in infants below one year
114. Pulse pressure is
- a. Pressure exerted by the Pulse
 - b. Pressure exerted by arteries during Systole
 - c. Difference between Systolic and Diastolic pressure
 - d. Pressure exerted during Diastole
115. Acetylcholine is secreted by the nerve ending of
- a. Parasympathetic nerves
 - b. Motor – axon end plate
 - c. Preganglionic parasympathetic nerves
 - d. Parasympathetic fibres
116. What happens when the Cardiac branch of Vagus nerve is electrically stimulated
- a. Heart beat slows down
 - b. Heart beat increases
 - c. Heart beat unaffected
 - d. Pace maker fails to initiate conduction
117. Histamine , a chemical substance which causes
- a. Constriction of capillaries and arterioles
 - b. Dialation of capillaries and arterioles
 - c. Expansion of heart muscles
 - d. Both b and c
118. In Myxedema, basal metabolism falls below normal and can be corrected by taking
- a. Pituitary extract
 - b. Thyroid tablets
 - c. Vitamin A
 - d. Vitamin D3
119. Impairment of ability to read is called
- a. Dylexia
 - b. Dentan
 - c. Amnitia
 - d. Hamerdoma
120. The state of being accepted and remaining functional, a graft will not rejected is
- a. Founder principle
 - b. Histocompatibility
 - c. Allograft
 - d. Autograft

Zoology Model Test 1

Answer Key

1a	2d	3c	4c	5a	6b	7d	8c	9b	10a
11c	12b	13c	14d	15c	16a	17c	18a	19b	20d
21d	22b	23a	24d	25c	26c	27b	28c	29a	30a
31b	32c	33a	34c	35a	36b	37b	38c	39b	40b
41b	42a	43a	44b	45a	46d	47a	48a	49b	50a
51c	52c	53d	54d	55a	56b	57b	58d	59d	60b
61b	62a	63a	64d	65b	66c	67d	68c	69a	70c
71b	72c	73b	74c	75a	76c	77c	78a	79a	80b
81d	82c	83b	84d	85d	86c	87a	88d	89d	90a
91a	92a	93b	94c	95a	96b	97b	98a	99b	100a
101a	102a	103b	104a	105b	106c	107b	108a	109b	110c
111c	112b	113a	114c	115b	116a	117b	118b	119a	120b