

QAD Series

Origin & Evolution, Animal Behaviour & Adaptation

- The mutation theory of evolution was proposed by:
a) Darwin b) Lamarck c) Hugo De Vries d) Hutchinson
- Which of the following is a living fossil?
a) Limulus b) Ginkgo c) Archaeopteryx d) Peripatus
- Which of the following is connecting link between animals and plant kingdom?
a) Euglena b) Amoeba c) Dinoflagellates d) Diatoms
- Founder of Paleontology is:
a) G. Cuvier b) George Cuvier c) Erasmus Darwin d) Empedocles
- The main drawback of Darwin's theory is:
a) Natural selection b) Survival of the fittest
c) Struggle for existence d) Variation
- Earlier organisms were:
a) Chemoheterotrophs b) Chemoautotrophs
c) Saprophytes d) Protists
- Hereditary and variation was postulated by:
a) Hugo de varies b) Lamarck c) Darwin d) Oparin
- Charles Darwin's theory of evolution is based on:
a) Environment b) Chromosome pairing
c) Mutation d) Natural selection
- Most accepted theory is:
a) Biogenesis b) Cosmic theory
c) Special creation theory d) Abiogenesis
- The organs which have same basic structure and origin but differ in function are called as:
a) Homologous organs b) Analogous organs
c) Vestigial organs d) None
- Wings of birds and insects are:
a) Homologous b) Analogous c) Vestigial d) None
- The inheritance of acquired character is given by the concept of
a) Darwinism b) Lamarckism c) Mendelism d) Neo Lamarckism
- "Theory of continuity of Germplasm" was proposed by:
a) Mendel b) Lamarck c) Weismann d) Haeckel
- Postulation of the 'Theory of Natural selection' published in 1858 was given by:
a) Charles Darwin b) Malthus
c) Charles Darwin and Wallace d) Alfred Russell Wallace
- Organs having similar function and different in structure/origin
a) Homologous b) Analogous c) Vestigial d) Parallel
- Protoplasm is:
a) Sol b) Gel c) Colloid d) Water
- Peripatus is a connecting link between:
a) Reptilia and aves b) Arthropoda and mollusca
c) Annelida and arthropoda d) Reptilia and mammals
- According to Neo-Darwinism evolution is due to:
a) Gene flow b) Change in gene structure
c) Change in size of gene pool d) Change in gene frequency
- Two sets of muscle responsible for ear movement are:
a) Analogous b) Homologous c) Vestigial d) Phylogenetical
- The study of evidence of the origin of evolutionary branches according to the pylogenetic tree is called:
a) Phenetics b) Cladistics
c) Euthenics d) Classical evolutionary taxonomy
- Fossils are mostly found in:
a) Sedimentary rock b) Igneous rock
c) Clay rock d) Lava rock
- Correct sequence among the following is:
a) Proterozoic → palaeozoic → coenozoic
b) Mesozoic → archaeozoic → proterozoic
c) Palaeozoic → archaeozoic → coenozoic
d) Archaeozoic → palaeozoic → proterozoic
- Fossils are the remains of
a) living organism b) dead organism
c) existing organism d) extinct organism
- Modern birds are closely related to:
a) mammals b) lizards c) crocodiles d) turtles
- Wings of mosquito, bat and sparrow exhibit the phenomenon is:
a) Homologous organs b) Atavism
c) Divergent evolution d) Convergent evolution
- Phylogeny represents:
a) Embryological history of animal
b) Comparative anatomy of animal
c) Evolutionary history of animals
d) Fossilization of animal
- Which is not a universal character of protoplasm?
a) HNO₃ b) Lipids c) Proteins d) Nucleic acids
- Which of the following organs do not give evidence in favour of organic evolution?
a) Homologous b) Analogous
c) Vestigial d) Atrofied organs
- Among the ancient men, artistic sense was most highly developed in:
a) Cro-magnon man b) Java man
c) Neanderthal man d) Peking man
- Which of the following monkey has prehensile tail?
a) Loris b) Chimpanzee c) Spider monkey d) Baboon
- Solo man belongs to:
a) Java only b) Africa c) China d) Africa & China
- The main diet of Australopithecus was:
a) Banana b) Apple c) Rice d) Meat & vegetables
- The evidence of the origin of birds from reptiles is the presence in them of
a) bairs b) claws c) scales d) feathers
- Evolution of photosynthetic ability resulted division of living world into:
a) Unicellular and multi-cellular b) Autotrophic & heterotrophic
c) Prokaryotes and eukaryotes d) Fungi and plants
- Which of the following represents Neo-Darwinism?
a) Temporal isolation b) Adaptive radiation
c) Geographic isolation d) Reproductive isolation
- Fossils of Pithecanthropus was first discovered in:
a) China b) Japan c) Java d) Germany
- First man to stand erect was:
a) Java - ape man b) Cro-Magnon man
c) Neanderthal man d) Australopithecus
- The ancestors of monkeys, apes and man were:
a) Tarsiers b) Old world monkeys c) Anthropoids d) Mammals
- Immediate ancestor of Cro-magnon was the:
a) Homo sapiens wise man) b) Homo erectus Java man)
c) Homo habilis Handy man) d) Pre-ape Australopithecus)
- Homo erectus is the Zoological name of:
a) Peking and Java man b) Neanderthal man
c) Soloman d) Java man
- One of the following was expert in making tools, weapons and painting
a) Peking man b) Cro- magnon
c) Australopithecus d) Java - ape man
- Which one is first "Ape man"?
a) Dryopithecus b) Shivapithecus
c) Australopithecus d) Ramopithecus
- Java and Peking man belong to genus:
a) Homo sapiens b) Homo erectus
c) Homo habilis d) Neanderthalensis
- Most important affinity of present man with the extinct Cro-magnon is due to:
a) Bipedal habit b) Similar facial features
c) Size of the brain d) Facial structure
- Fossils of Australopithecus are found from:
a) Africa b) Australia c) South east Asia d) America
- First evidences of ceremonial burial of dead have been found with fossil of:
a) Cro-Magnon b) Java ape man c) Neanderthal d) Peking
- Which among the following is the immediate ancestor of modern man?
a) Man b) Magnon man
c) Neanderthal man d) Java man

48. **Java ape man was discovered by:**
a) Leakey b) Davidson Black c) Dubois d) Cuvier
49. **Cave printing is imitated by:**
a) Neanderthal man b) Cro-Magnon man
c) Australopithecus d) Java man
50. **The book "Philosophie Zoologique" was written by:**
a) Hugo de Vries b) Lamarck
c) Mendel d) Haeckel
51. **Mammals arose from reptiles in**
a) Jurassic period of Mesozoic era
b) Triassic period of Mesozoic era
c) Cretaceous period of Mesozoic era
d) Carboniferous era
52. **Coacervates were aggregates of:**
a) Amino acids b) Proteins
c) Carbohydrates d) Lipids
53. **Stanley Miller performed an experiment to prove the origin of life. They took gases NH₃ and H₂ along with:**
a) N₂ & H₂O b) H₂O & CH₄ c) CH₄ & N₂ d) CO₂ & NH₃
54. **The Galapagos Islands were associated with:**
a) Lamarck b) Darwin c) Wallace d) Mendel
55. **Theory of Pangenesis was given by:**
a) Weismann b) Darwin c) Hugo de Vries d) Lamarck
56. **Abiogenesis means:**
a) Spontaneous generation b) Germplasm theory
c) Origin of Panspermia d) Physio-chemical origin of life
57. **Homo erectus differed from Cro-Magnon man in:**
a) having protruded jaws b) having receding jaw
c) being able to draw picture of animals
d) being able to mark well – formed tools and weapons
58. **A prehistoric man with a cranial capacity almost similar to that of modern man was:**
a) Homo habilis b) Homo erectus
c) Homo sapiens neanderthalensis d) Homo heidelbergensis
59. **Which era is called "Age of Mammals"?**
a) Mesozoic b) Palaeozoic c) Coenozoic d) Archeozoic
60. **Greatest supporter of "Spontaneous generation" was given by:**
a) Redi b) Pasteur c) Spallanzani d) Van Helmont
61. **The presence of beak is the characteristic of:**
a) Fossorial b) Volant c) Cursorial d) Arboreal
62. **One of the following is not a character of scansorial adaptation**
a) Prehensile tail b) Adhesive pads
c) Webbed digits d) Syndactylous digits
63. **Animals capable for digging are:**
a) Arboreal b) Cursorial c) Fossorial d) Pelagic
64. **What do you understand by scansorial adaptation?**
a) Burrowing b) Swimming c) Climbing d) Flying
65. **"Ontogeny repeats Phylogeny" this is expressed by:**
a) Natural selection theory b) Recapitulation theory
c) Mutation theory
d) Theory of inheritance of acquired character.
66. **Abiogenesis means:**
a) Spontaneous generation b) Germplasm theory
c) Origin of Panspermia d) Physio-chemical origin of life
67. **Swan-necked flask experiment was done by:**
a) Aristotle b) Robert Koch c) Louis Pasteur d) Francesco Redi
68. **Which of the following gas was absent on primitive earth?**
a) O₂ b) CH₄ c) CO₂ d) NH₃
69. **The water of Primitive Ocean during the time of "Origin of Life" has been called "hot dilute soup of organic substances" By:**
a) Sidney Fox b) Miller c) Oparin d) Haldane
70. **Archaeopteryx is a missing link between:**
a) Birds and mammals b) Birds and reptiles
c) Reptiles and mammals d) Amphibians and reptiles
71. **Non-functional organ of ancestor become functional in descendants**
a) Variation b) Mutation c) Inheritance d) Atavism
72. **Aerial mode of animal adaptation is known as:**
a) Cursorial b) Fossorial c) Scansorial d) Volant
73. **Claw of rabbit is a modification of:**
a) Epidermis b) Dermis c) Gastrodermis d) Keratin
74. **Some animals change their colour in accordance with change in climate. This is due to presence of:**
a) Chromatophores b) Keratin c) Melanin d) Eledin
75. **Amphibian adaptation is found in:**
a) Frog b) Snake c) Lizard d) Fish
76. **Snake has adaptation:**
a) Scansorial b) Cursorial c) Fossorial d) Volant
77. **Prehensile tail is found in:**
a) Wall lizard b) Dog squirrel c) Squirrel d) Chameleon
78. **The animal having long and hooked claw adapted for which adaptation:**
a) Volant b) Arboreal c) Swimming d) Cave
79. **Which of the following is not one of the bird adaptations to flight?**
a) A keel shaped sternum of the skeleton b) Air-sacs in lungs
c) A highly developed cerebrum d) Stream-lined body
80. **Movement of earthworm against the soil surface is:**
a) Positive geotaxis b) Negative geotaxis
c) Menotaxis d) Mnemotaxis
81. **Response towards water current is:**
a) Rheotaxis b) Aerotaxis c) Chemotaxis d) Hygrotaxis
82. **Salmon fish is:**
a) Anadromous b) Catadromous c) Both d) None
83. **Animals capable for running on digits are**
a) Arboreal b) Cursorial c) Fossorial d) Pelagic
84. **In ecological sense the desert animals are termed as**
a) Arboreal b) Benthos c) Cursorial d) Xerocles
85. **Lateral line organs is found in**
a) Amphibia b) Gnathostomata c) Osteichthyes d) Reptilia
86. **Orientation of animals responding to one type of stimulus only if facing two or more kinds of stimuli of the same intensity acting at the same time is called:**
a) Klinotaxis b) Tropotaxis c) Menotaxis d) Telotaxis
87. **Fish migration from the upland rivers to the low land rivers is**
a) Diadromous b) Catadromous
c) Potamodromous d) Amphidromous
88. **During vertebrate brain evolution the part which shows greatest evolution by acquiring large size?**
a) fore brain b) mid brain
c) hind brain d) rhombencephalon
89. **What are thigmoreceptors:**
a) Tactile hairs b) Taste hairs c) Chemoreceptors d) None
90. **The study of migration of birds is known as:**
a) Phenology b) Nidology c) Phrenology d) Nephrology
91. **Fish that migrate from fresh water to sea water are:**
a) Catadromous b) Anadromous
c) Amphidromous d) Ocenodromous
92. **Fish Xiphias migrating towards North in spring and to South in winter is:**
a) Spawning migration b) Vertical migration
c) Latitudinal migration d) Shoreward migration
93. **Compass response to the stimulus of light is also called as:**
a) Mnemotaxis b) Menotaxis c) Telotaxis d) Phototaxis
94. **3 stages of evolution was given by:**
a) earlier microscopists b) Darwin
c) Modern biologists d) Haeckel
95. **Which following examples support birds are glorified reptiles?**
a) Tail in reptiles b) Scales in body
c) Cranium d) Tooth in bird embryo
96. **The organism, which depend on the organic molecules present in berth of ocean are referred as:**
a) Aerobic chemoheterotrophs b) Anaerobic heterotrophs
c) Autotrophs d) Chemoheterotrophs
97. **Birds are glorified reptiles was coined by**
a) Darwin b) Huxley c) Lamarck d) Wallace
98. **The study of evidence of the origin of evolutionary branches according to the pylogenetic tree is called:**
a) phenetics b) cladistics c) eutenics
d) classical evolutionary taxonomy
99. **Fossils are mostly found in:**
a) Sedimentary rock b) Igneous rock
c) Clay rock d) Lava rock