

Test Series – 4

Evidences of evolution, Theories of Evolution and Human evolution

1. Which of the following is not a vestigial organ
 - a. Rabbit's nictitating membrane
 - b. Human nictitating membrane
 - c. Python's pelvic girdle
 - d. Scale leaves of Ruscus
2. Which of the following is an extinct animal
 - a. Protopterus
 - b. Equus
 - c. Archaeopteryx
 - d. Columba
3. Mesozoic era is called the age of
 - a. Fishes
 - b. Amphibians
 - c. Reptile
 - d. Birds
4. Galapagos islands are located in
 - a. Indian ocean
 - b. Pacific ocean
 - c. Atlantic ocean
 - d. Arabian ocean
5. The type of growth living organisms undergo is
 - a. Reversible
 - b. Apical
 - c. Accretion
 - d. Intussusception
6. Ornithorhynchus is a connecting link between
 - a. Birds and Reptiles
 - b. Reptiles and Amphibians
 - c. Reptiles and Mammals
 - d. Fishes and Amphibians
7. Some persons can move their pinnae. It is a case of
 - a. Recapitulation
 - b. Atavism
 - c. Over specialization
 - d. Regeneration
8. Correct order of evolutionary sequence is
 - a. Palaeozoic – Archaeozoic – Coenozoic
 - b. Archaeozoic – Palaeozoic – Proterozoic
 - c. Palaeozoic – Mesozoic – Coenozoic
 - d. Mesozoic – Archaeozoic – Proterozoic
9. The primates nearest to humans in the evolutionary line is
 - a. New world monkeys
 - b. Gorillas
 - c. Lemurs

- d. Echidna
10. Which of the following animal has become extinct recently
- a. Draco
 - b. Dinosaur
 - c. Mammoth
 - d. Pteridosperms
11. Evolutionary convergence is the development of
- a. Common set of characters in groups of different ancestry
 - b. Dissimilar characters in closely related groups
 - c. Common set of characters in closely related groups
 - d. Development of characters by random mating
12. Most primitive fossil is
- a. Equus
 - b. Meryhippus
 - c. Mesohippus
 - d. Eohippus
13. Which of the following represent homologous organs
- a. Arm of man and Wing of bat
 - b. Wing of bird and Wing of moth
 - c. Gills of fish and Gills of prawn
 - d. None of these
14. Two geographical regions separated by high mountains are
- a. Oriental and Ausralian regions
 - b. Palaeartic and Oriental regions
 - c. Nearctic and Palaeartic regions
 - d. Neotropical and Ethiopian regions
15. Presence of Visceral pouches in the embryos of all vertebrates supports the theory of
- a. Organic evolution
 - b. Biogenesis
 - c. Metamorphosis
 - d. Recapitulation
16. In human beings, vestigial organs are
- a. Wisdom teeth, Coccyx, Vermiform appendix, Nail, Eyelid
 - b. Wisdom teeth, Coccyx, Vermiform appendix, Pancreas, Elbow joint
 - c. Wisdom teeth, Coccyx, Vermiform appendix, Nictitating membrane, Auricular muscles
 - d. Coccyx, Wisdom teeth, Nail, Auricular muscles
17. Mammals originated about
- a. 450 million years ago
 - b. 250 million years ago
 - c. 50 million years ago
 - d. 7.5 million years ago
18. An organism which is the connecting link between animals and plants is
- a. Bacteria
 - b. Cyanobacteria
 - c. Euglena
 - d. Amoeba
19. Which of the following are homologous

- a. Sweet potato and Ginger
 - b. Passiflora tendril and Bougainvillea thorn
 - c. Insect wing and Bird wing
 - d. Tortoise shell and Mollusc shell
20. Which one of the following includes all homologous organs
- a. Wing of butterfly, Wing of bird, Wing of bat
 - b. Forelimb of frog, Wing of bird, Forelimb of rabbit
 - c. Thoracic leg of cockroach, Hind leg of frog, Forelimb of rabbit
 - d. Wing of bird, Wing of bat, Wing of flying lizard
21. The diversity in the type of beak of finches adapted to different feeding habits on the Galapagos islands, as observed by Darwin, provides evidence for
- a. Origin of species by natural selection
 - b. Intra-specific variation
 - c. Intra-specific competition
 - d. Inter-specific competition
22. Wing of Pigeon, bat and mosquito exhibit the phenomenon called
- a. Convergent evolution
 - b. Divergent evolution
 - c. Atavism
 - d. Parallel evolution
23. Adaptive similarities in different animals living in the same habitat is called
- a. Retrogressive evolution
 - b. Parallel evolution
 - c. Adaptive radiation
 - d. Convergent evolution
24. Development of Pteridia in animals is adaptation
- a. Volant
 - b. Arboreal
 - c. Aquatic
 - d. Cave
25. Darwin finches show one of the following aspects of evolution
- a. Bio-geographic evidence
 - b. Industrial melanism
 - c. Biochemical evidence
 - d. Embryological evidence
 - e.
26. Evolutionary development of a species can be best studied by
- a. DNA analysis
 - b. Finding age by carbon dating
 - c. Studying fossils of this species
 - d. All the above
27. Evolution can be studied now in action in
- a. Sphenodon
 - b. Archaeopteryx
 - c. Peppered moth
 - d. Paramecium
28. Human evolution originated in
- a. Africa

- b. Jawa
 - c. France
 - d. China
29. Recapitulation concept was proposed by
- a. Von Baer
 - b. Darwin
 - c. Haeckel
 - d. Oparin
30. In plants like Acasia, the leaves are compound but their seedlings possess simple leaves. This phenomenon can be explained by
- a. Adaptive radiation concept by Darwin
 - b. Theory of Inheritance of Acquired characters by Lamark
 - c. Recapitulation concept by Von Baer
 - d. Mutation theory by De Vris
31. Hybridized sterile plant can be converted into a fertile species by doubling the chromosomes through induced polyploidy. Such plants are
- a. Diploids
 - b. Tetraploids
 - c. Amphidiploids
 - d. Amphitetraploids
32. Feathers of Archaeopteryx lived in the upper Jurassic period was obtained as fossil. This fossil is
- a. Mould
 - b. Cast
 - c. Coprolite
 - d. Impression
33. The Crossopterygian fish “ Latimaria “ is considered as the ancestor of terrestrial tetrapods. These fishes evolved into Amphibians during the period
- a. Devonian
 - b. Silurian
 - c. Ordovian
 - d. Cambrian
34. Lung fishes and Air breathing animals and Corals predominate during the period
- a. Mississippian
 - b. Silurian
 - c. Devonian
 - d. Jurassic
35. Giant Dinosaurs and Reptiles predominate during the Jurassic period. This period also marked the evolution of higher Insects and Angiosperms, Conifers, Cycads etc. Jurassic period comes under the era
- a. Cenozoic
 - b. Palaeozoic
 - c. Mesozoic
 - d. Proterozoic
36. The Homo erectus evolved about 1.7 million years ago used fire and tools and also used animal hides as clothings. The fossils of Homo erectus were named as
- a. Neanderthal man
 - b. Cro-magnon man

- c. Jawa man and Peking man
 - d. Proconsul
37. The Anthropoids evolved into
- a. Apes, Proconsul and Monkeys
 - b. Apes, Cro-magnon man and Old world monkeys
 - c. Proconsul, New world monkeys and Peking man
 - d. New world monkeys, Proconsul and Homo habilis
38. Which fossil man is named as “ Handy Man “.
- a. Ramapithecus
 - b. Australopithecus
 - c. Homo erectus
 - d. Homo habilis
39. Human beings belongs to the family Hominidae which evolved about 24 million years ago. The relative family Pongidae includes
- a. Chimbanzee
 - b. Gorilla
 - c. Orangutan
 - d. All these
40. Homosapiens had two sub species namely Homo sapiens neanderthals and Homo sapiens sapiens (Cro-magnon man). Homo sapiens evolved directly from
- a. Homo erectus
 - b. Homo habilis
 - c. Ramapithecus
 - d. Proconsul
41. Closest relative of Modern day man is
- a. Chimbanzee
 - b. Orangutan
 - c. Apes
 - d. Gibbon
42. Name given to fossil man of Shivalic hills is
- a. Australopithecus
 - b. Pithecanthropus
 - c. Sinanthropus
 - d. Ramapithecus
43. Jawa ape man was discovered by
- a. Leaky
 - b. Davison Black
 - c. Dubois
 - d. Cuvier
44. Zoological name of Jawa man fossil is
- a. Sinanthropus
 - b. Australopithecus
 - c. Pithecanthropus
 - d. Ramapithecus
45. The book “ The Descent of Man “ was written by
- a. Malthus
 - b. Darwin
 - c. Lamark

- d. Spencer
46. Which one of the following features is not in the direction of the evolution of human species
- Well developed brain
 - Opposable thumb
 - Binocular vision
 - Raised control ridges
47. Theory of “ Pangenesis ” was put forth by
- De Vries
 - Lamarck
 - Weismann
 - Darwin
48. Rise of flowering plant occurred during the
- Tertiary period
 - Cretaceous period
 - Devonian period
 - Cambrian period
49. The most recent era in geological time scale is
- Mesozoic
 - Caenozoic
 - Paleozoic
 - Proterozoic
50. One of the following factors will not allow Hardy- Weinberg principle to operate
- Inbreeding
 - Mutation
 - Gene pool
 - None of these

Test Series – 4
Answer Key

1a	2c	3c	4b	5d	6c	7b	8c	9b	10c
11a	12d	13a	14b	15d	16c	17b	18c	19b	20b
21a	22a	23d	24a	25a	26d	27c	28a	29a	30c
31c	32d	33a	34b	35c	36c	37a	38d	39d	40a
41c	42d	43a	44c	45b	46d	47d	48b	49b	50b