



## BIOLOGY

### BOOKS - NEET PREVIOUS YEAR (YEARWISE + CHAPTERWISE)

## EVOLUTION

#### Exercise

1. Which of the following represents order of Horse ?

- A. Equidae
- B. Perissodactyla
- C. Caballus
- D. Ferus

**Answer: B**



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2. Analogous structures are a result of

- A. convergent evolution
- B. shared ancestry
- C. stabilising selection
- D. divergent evolution

**Answer: A**



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3. Which of the following structures is homologous to the wing of a bird?

- A. Wing of a moth
- B. Hind limb of rabbit
- C. Flipper of whale

D. Dorsal fin of a shark

**Answer: C**



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4. Following are the two statements regarding the origin of life

(a) the earliest organisms that appeared on the earth were nongreen and presumably anaerobic

The first autotrophic organisms were the chemoautotrophs that never released oxygen.

Of the above statements which one of following options is correct

A. II is correct but I is false

B. Both I and II are correct

C. Both I and II are false

D. I is correct but II is false

**Answer: B**



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5. Genetic drift operates in :

- A. small isolated population
- B. large isolated population
- C. non-reproductive population
- D. slow reproductive population

**Answer: A**



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6. In Hardy-Weinberg equation, the frequency of heterozygous individual is represented by

- A.  $p^2$
- B.  $2pq$

C.  $pq$

D.  $q^2$

**Answer: B**



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7. The chronological order of human evolution from early to the recent is:

A. Australopithecus - Ramapithecus - Homo habilis - Homo erectus

B. Ramapithecus - Australopithecus - Homo habilis - Homo erectus

C. Ramapithecus - Homo habilis - Australopithecus - Homo erectus

D. Australopithecus - Homo habilis - Ramapithecus - Homo erectus

**Answer: B**



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8. Which of the following is the correct sequence of events in the origin of life?

I. Formation of protobionts

II. Synthesis of organic monomers

III. Synthesis of organic polymers

IV. Formation of DNA-based genetic systems

A. I,II,III,IV

B. I,III,II,IV

C. II,III,I,IV

D. II,III,IV,I

**Answer: C**



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9. The wing of a bird and the wing of an insect are

- A. homologous structures and represent divergent evolution
- B. analogous structure and represent convergent evolution
- C. phylogentic structures and represent divergent evolution
- D. homologous structures and represent convergent evolution

**Answer: B**



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**10.** Industrial melanism is an example of

- A. Neo Darwinism
- B. Natural selection
- C. Mutation
- D. Neo Lamarckism

**Answer: B**



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11. Forelimbs of cat, lizard used in walking, forelimbs of whale used in swimming and forelimbs of bats used in flying are an example of

- A. analogous organs
- B. adaptive radiation
- C. homologous organs
- D. convergent evolution

**Answer: C**



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12. Which one of the following are analogous structures

- A. Wings of bat and wings of pigeon
- B. Gills of prawn and lungs of man
- C. Thorns of Bougainvillea and tendrils of Cucurbita

D. Flippers of dolphin and legs of horse

**Answer: A**



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**13.** The eye of octopus and eye of cat show different patterns of structure, yet they perform similar function. This is an example of

- A. homologous organs that have evolved due to convergent evolution
- B. homologous organs that have evolved due to divergent evolution
- C. analogous organs that have evolved due to convergent evolution
- D. analogous organs that have evolved due to divergent evolution

**Answer: C**



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14. The tendency of population to remain in genetic equilibrium may be disturbed by

- A. random mating
- B. lack of migration
- C. lack of mutations
- D. lack of random mating

**Answer: D**



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15. According of Darwin, the organic evolution is due to

- A. intraspecific competition
- B. interspecific competition
- C. competition within closely related species

D. reduced feeding efficiency in one species due to the presence of interfering species

**Answer: B**



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**16.** Variation in gene frequencies within populations can occur by chance rather than by natural selection. This is referred to as

Or

Random unidirectional change in allele frequencies that occur by chance in all population and especially in small populations is known as

- A. genetic flow
- B. genetic drift
- C. random mating
- D. genetic load

**Answer: B**



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17. The process by which organisms with different evolutionary history evolve similar phenotypic adaptations in response to a common environmental challenge is called :

- A. natural selection
- B. convergent evolution
- C. non-random evolution
- D. adaptive radiation

**Answer: B**



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18. What was the most significant trend in the evolution of modern man (Homo sapiens) from his ancestors?

- A. Shortening of jaws
- B. Binocular vision
- C. Increasing brain capacity
- D. Upright posture

**Answer: C**



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**19.** Evolution of different species in a given area starting from a point and spreadig to other geographical areas is known as

- A. adaptive radiation
- B. naturalselection
- C. migration
- D. divergent evolution

**Answer: A**



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20. Which one of the following options gives one correct example each of convergent evolution and divergent evolution?

A.

Convergent evolution

Divergent evolution

(a) Eyes of Octopus and mammals    Bones of forelimbs of vertebrates

B.

Convergent evolution

Divergent evolution

(b) Thorns of Bougainvillea and the tendrils of Cucurbita    Wings of butterfly and birds

C.

Convergent evolution

Divergent evolution

(c) Bones of forelimbs of vertebrates    Wings of butterfly and birds

D.

Convergent evolution

Divergent evolution

(d) Thorns of Bougainvillea and tendrils of Ramapithecus    Eyes of octopus and mammals

Answer: A



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21. The extinct human who lived 100000 to 40000 years ago, in Europe, Asia and parts of Africa, with short stature, heavy eye brows, retreating fore heads, large jaws with heavy teeth, stocky bodies, a lumbering gait and stooped posture was

- A. Homo habilis
- B. Neanderthal human
- C. Cro-magnon humans
- D. Ramapithecus

**Answer: B**



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22. In the case of peppered moth (*Biston betularia*) the black-coloured form became dominant over the light-coloured form in England during industrial revolution. This is an example of

- A. natural selection whereby the darker forms ' were selected
- B. appearance of the aarker coloured individuals due to very poor sunlight
- C. protective mimicry
- D. inheritance of darker colour character acquired due to the darker environment

**Answer: A**



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**23.** Peripatus is a connecting link between

- A. Ctenophora and Platyhelminthes
- B. Mollusca and Echinodermata
- C. Annelida and Arthropoda
- D. Coelenterata and Porifera

**Answer: C**



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**24.** Which one of the following scientist's name is correctly matched with the theory put forth by him?

- A. Weismann-Theory of continuity of germplasm
- B. Pasteur-Inheritance of acquired characters
- C. Darwin-Natural selection
- D. Mendel-Theory of pangenesis

**Answer: A**



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**25.** Thorn of Bougainvillea and tendril of Cucurbita are examples of :

- A. analogous organs
- B. homologous organs
- C. vestigial organs
- D. retrogressive evolution

**Answer: B**



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**26.** Darwin's Finches are an excellent example of

- A. adaptive radiation
- B. seasonal migration
- C. brood parasitism
- D. connecting links

**Answer: A**



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27. Which one of the following incorrect about the characteristic of protobionts (coacervates and microspheres) as envisaged in abiogenic origin of life ?

- A. They were able to reproduce
- B. They could separate combinations of molecules from the surroundings
- C. They were partially isolated from the surroundings
- D. They could maintain an internal environment

**Answer: D**



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28. Which one of the following statements is correct?

- A. Stem cells are specialised cells

- B. There is no evidence of the existence of gills during embryogenesis of mammals
- C. All plant and animal cells are totipotent
- D. Ontogeny repeats phylogeny

**Answer: D**



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**29.** The humming bird, hawk and the humming moth illustrate

Or

What is common to whale seal and shark

- A. Seasonal migration
- B. Thick subcutaneous fat
- C. Convergent evolution
- D. Homeothermy

**Answer: C**



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**30.** Adaptive radiation refers to

- A. adaptations due to geographical isolation
- B. evolution of different species from a common ancestor
- C. migration of members of a species to different geographical areas
- D. power of adaptation in an individual to a variety of environments

**Answer: B**



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**31.** When two species of different genealogy come to resemble each other as a result of adaptation, the phenomenon is termed

- A. divergent evolution
- B. micro-evolution
- C. co-evolution
- D. convergent evolution

**Answer: D**



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**32.** The finches of Galapagos islands provide an evidence in favour of

- A. special creation
- B. evolution due to mutation
- C. retrogressive evolution
- D. biogeographical evolution

**Answer: D**



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**33.** Select the correct statement from the following given options.

- A. Darwinian variations are small and directionless
- B. Fitness is the end result of the ability to adapt and gets selected by nature
- C. All mammals except whales and camels have seven cervical vertebrae
- D. Mutations are random and directional

**Answer: B**



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**34.** Industrial melanism as observed in peppered moth proves that

- A. the true black melanic forms arise by a recurring random mutation

- B. the melanic form of the moth has no selective advantage over lighter form in industrial area
- C. the lighter form moth has no selective advantage either in polluted industrial area or non-polluted area
- D. melanism is a pollution generated feature

**Answer: A**



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**35.** The concept of chemical evolution is based on :

- A. crystallisation of chemicals
- B. interaction of water, air and clay under intense heat
- C. effect of solar radiation on chemicals
- D. possible origin of life by combination of chemicals under suitable environmental conditions

**Answer: D**



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**36.** Among the human ancestors the brain size was more than 1000 cc in:

- A. Homo neanderthalensis
- B. Homo erectus
- C. Ramapithecus
- D. Homo habilis

**Answer: A**



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**37.** One of the important consequences of geographical isolation is

- A. no change in the isolated fauna

- B. preventing speciation
- C. speciation through reproductive isolation
- D. random creation of new species

**Answer: C**



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**38. Evolutionary history of a group of organisms is called :**

- A. ancestry
- B. palaeontology
- C. ontogeny
- D. phylogeny

**Answer: D**



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**39.** Which one of the following is not a living fossil

Or

Missing link in evolution is

- A. King crab
- B. Sphenodon
- C. Archaeopteryx
- D. Peripatus

**Answer: C**



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**40.** An important evidence in favour of organic evolution is the occurrence of :

- A. analogous and vestigial organs
- B. homologous organs only

C. homologous and analogous organs

D. homologous and vestigial organs

**Answer: D**



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**41.** Which one of the following amino-acids was not found to be synthesized in Miller's experiment

A. Aspartic acid

B. Glutamic acid

C. Alanine

D. Glycine

**Answer: B**



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**42.** Jurassic period of the Mesozoic era is characterised by

- A. radiation of reptiles and origin of mammal-like reptiles
- B. dinosaurs become extinct and angiosperms appear
- C. flowering plants and first dinosaurs appear
- D. gymnosperms are dominant plant and first birds appear

**Answer: D**



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**43.** Which of the following is the relatively most accurate method for dating of fossils ?

- A. Radio-carbon method
- B. Potassium-argon method
- C. Electron-spin resonance method
- D. Uranium-lead method

**Answer: C**



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**44.** Which one of the following experiments suggests that simplest living organisms could not have originated spontaneously from non-living matter

- A. Larvae could appear in decaying organic matter
- B. Microbes did not appear in stored meat
- C. Microbes appeared from unsterilised organic matter
- D. Meat was not spoiled, when heated and kept sealed in a vessel

**Answer: D**



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**45.** There are two opposing views about origin of modern man. According to one view Homo erectus in Asia were the ancestors of modern man. A study of variation of DNA however suggested African origin of modern man. What kind of observation on DNA variation could suggest this ?

- A. Greater variation in Asia than in Africa
- B. Greater variation in Africa than in Asia
- C. Similar variation in Africa and Asia
- D. Variation only in Asia and no variation in Africa

**Answer: A**



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**46.** Hogo de Vries gave his mutation theory on organic evolution while working on :

- A. Pisum sativum

B. *Drosophila melanogaster*

C. *Oenothera lamarckiana*

D. *Althea rose*

**Answer: C**



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47. Using imprints from a plate with complete medium and carrying bacterial colonies, you can select streptomycin resistant mutants and prove that such mutations do not originate as adaptation. These imprints need to be used

A. on plates with and without streptomycin

B. on plates with minimal medium

C. only on plates with streptomycin

D. only on plates without streptomycin

**Answer: C**



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**48.** Which one of the following phenomena supports Darwin's concept of natural selection in organic evolution?

- A. Development of transgenic animals
- B. Production of 'Dolly', the sheep by cloning
- C. Prevalence of pesticide resistant insects
- D. Development of organs from 'stem cells' for organs transplantation

**Answer: C**



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**49.** According to Oparin, which one of the following was not present in the primitive atmosphere of the earth?

- A. Methane
- B. Oxygen
- C. Hydrogen
- D. Water vapour

**Answer: B**



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**50.** Presence of gills in the tadpole of frog indicates that :

- A. fishes were amphibian in the past
- B. fishes evolved from frog-like ancestors
- C. frogs will have gills in future
- D. frogs evolved from gilled ancestors

**Answer: D**



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51. What kind of evidences suggested that man is more closely related with chimpanzee than with other hominoid apes?

- A. Evidence from DNA from sex chromosomes onl
- B. Comparison of chromosomes morphology only
- C. Evidence from fossil remains and the fossil mitochondrial DNA alone
- D. Evidence from DNA extracted from sex chromosomes, autosomes and mitochondria

**Answer: D**



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52. Age of fossils in the past was generally determined by radiocarbon method and other methods involving radioactive elements found in the

rocks. More precise methods, which were used recently and led to the revision of the evolutionary periods for different groups of organisms, includes

- A. study of carbohydrates/proteins in fossils
- B. study of the conditions of fossilisation
- C. Electron Spin Resonance (ESR) and fossil DNA
- D. study of carbohydrates/proteins in rocks

**Answer: C**



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**53.** Darwin in his 'Natural Selection Theory' did not believe in any role of which one of the following in organic evolution

- A. Discontinuous variations
- B. Parasites and predators as natural enemies
- C. Survival of the fittest

D. Struggle for existence

**Answer: A**



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**54.** In recent years, DNA sequences (nucleotide sequence) of maternal DNA and Y-chromosome were considered for the study of human evolution, because :

- A. they can be studied from the samples of fossil remains
- B. they are small and, therefore, easy to study
- C. they are uniparental in origin and do not take part in recombination
- D. their structure is known in greater detail

**Answer: C**



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55. Industrial melanism is an example of

- A. defensive adaptation of skin against ultraviolet radiations
- B. drug resistance
- C. darkening of skin due to smoke from industries
- D. protective resemblance with the surroundings

**Answer: C**



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56. In a random mating population in equilibrium, which of the following brings about a change in gene frequency in a non-directional manner?

- A. Migration
- B. Mutation
- C. Random drift

D. Selection

**Answer: B**



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**57.** Random genetic drift in a population probably result from

- A. large population size
- B. highly genetically variable individuals
- C. interbreeding within this population
- D. constant low mutation rate

**Answer: B**



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**58.** Which one of the following sequences was proposed by Darwin and Wallace for organic evolution?

- A. Variations, natural selection, overproduction, constancy of population size
- B. Overproduction, variations, constancy of population size, natural selection
- C. Variations, constancy of population size, overproduction, natural selection
- D. Overproduction, constancy of population size, variations, natural selection

**Answer: B**



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**59.** Convergent evolution is illustrated by

- A. dogfish and whale
- B. rat and dog
- C. bacterium and protozoan
- D. starfish and cuttle fish

**Answer: A**



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**60.** Which one of the following correctly describes the homologous structures?

- A. Organs appearing only in embryonic stage and disappearing later in the adult
- B. Organs with anatomical similarities, but performing different functions

C. Organs with anatomical dissimilarities, but performing same functions

D. Organs that have no function now, but had an important function in ancestors

**Answer: B**



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**61.** Which of the following pair is homologous organ?

A. Wings of birds and locust

B. Wings of birds (sparrow) and pectoral fins of fish

C. Wings of bat and butterfly

D. Legs of frog and cockroach

**Answer: B**



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**62.** Genetic drift operates in :

- A. small isolated population
- B. large isolated population
- C. fast reproductive population
- D. slow reproductive population

**Answer: A**



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**63.** In which condition the gene ratio remains constant for any species ?

- A. Sexual selecction
- B. Random mating
- C. Mutation

D. Gene flow

**Answer: B**



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**64.** According to fossils discovered up to present time origin and evolutions of man was started from

A. France

B. Java

C. Africa

D. China

**Answer: C**



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**65.** In which ear reptiles were dominant ?

A. Coenozoic era

B. Mesozoic era

C. Palaeozoic era

D. Archaeozoic era

**Answer: B**



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**66.** Sequence of which of the following is used to know the phylogeny ?

A. mRNA

B. rRNA

C. tRNA

D. DNA

**Answer: B**



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**67.** Two different species cannot live for long duration in the same niche or habitat. This law is called

- A. Allen's law
- B. Gause's hypothesis
- C. Dollo's rule
- D. Weismann's theory

**Answer: B**



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**68.** Which of the following is correct order of the evolutionary history of man?

- A. Peking man, Homo sapiens, Neanderthal, Cro-magnon
- B. Peking man, Neanderthal, Homo sapiens, Cro-magnon
- C. Peking man, Heidalberg man, Neanderthal, Cro-magnon
- D. Peking man, Neanderthal, Homo sapiens, Heidalberg man

**Answer: C**



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**69.** Similarity in organisms with different genotypes indicates :

- A. micro-evolution
- B. macro-evolution
- C. convergent evolution
- D. divergent evolution

**Answer: C**



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70. Diversity of living organisms is due to :

- A. mutation
- B. gradual change
- C. long term evolutionary change
- D. short term evolutionary change

**Answer: C**



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71. Which of the following is closet realative of man?

- A. Chimpanzee
- B. Gorilla
- C. Orangutan

**Answer: A**



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72. If Darwin's theory of pangenesis shows similarity with theory of inheritance of acquired character then what shall be correct according to it

- A. Useful organs become strong and developed while useless organs become extinct. These organs help in struggle for survival
- B. Size of organs increase with ageing
- C. Development of organs is due to will power
- D. There should be some physical basis of inheritance

**Answer: D**



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73. Half-life of  $^{14}\text{C}$  is :

- A. 500 yr
- B. 5730yr
- C. 50 yr
- D.  $5 \times 10^4$  yr

**Answer: B**



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74. Occurrence of endemic species in South America and Australia is due to :

- A. these species have been extinct from other regions
- B. continental separation
- C. there is no terrestrial route to these places

D. retrogressive evolution

**Answer: B**



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**75.** Homo sapiens/Homo Erectus evolved in

A. Pleistocene

B. Oligocene

C. Pliocene

D. Miocene

**Answer: A**



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**76.** Which of the following features is closely related with the evolution of humans?

- A. Loss of tail
- B. Shortening of jaws
- C. Binocular vision
- D. Flat nails

**Answer: B**



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**77.** Which of the following primate is the closest relative of humans ?

- A. Rhesus monkey
- B. Orangutan
- C. Gorilla
- D. Gibbon

**Answer: C**



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**78.** Which is not a vestigial part in humans ?

- A. Segmental muscles of abdomen
- B. Finger hairs
- C. Third molar
- D. Coccyx

**Answer: B**



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**79.** Darwin's finches provide an excellent evidence in favour of evolution.

This evidence comes from the field of :

A. Biogeography

B. Anatomy

C. Embryology

D. Palaeontology

**Answer: A**



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**80.** Which of the following pair has homologous organs ?

A. Pectoral fins of a fish and forelimbs of a horse

B. Wings of a bat and wings of cockroach

C. Air sac of fistic and lungs of frog

D. Wings of a bird and wings of a butterfly

**Answer: A**



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**81.** Which of the following statements is correct ?

- A. Cro-magnon man's fossil has been found in Ethiopia
- B. Homo erectus is the ancestor of man
- C. Neanderthal man is the direct ancestor of Homo sapiens
- D. Australopithecus is the real ancestor of modern man

**Answer: B**



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**82.** Genetic drift operates only in

- A. smaller populations
- B. larger populations
- C. Mendelian populations

D. island populations

**Answer: A**



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**83.** In the developmental history of mammalian heart. It is observed that it passes through a two chambered fish like heart, three chambered frog like heart and finally four chambered stage. To which hypothesis can this above cited statement be approximated?

A. Hardy-Weinberg law

B. Lamarcks principle

C. Biogenetic law

D. Mendelian principles

**Answer: C**



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**84.** The age of the fossil of Dryopithecus on the geological time scale is

- A.  $5 \times 10^6$  yr back
- B.  $25 \times 10^6$  yr back
- C.  $50 \times 10^6$  yr back
- D.  $75 \times 10^6$  yr back

**Answer: B**



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**85.** Common origin of man and chimpanzee is best shown by

- A. banding pattern in chromosomes number 3 and 6
- B. cranial capacity
- C. binocular vision
- D. dental formula

**Answer: A**



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**86.** Which one of the following statements about fossil human species is correct ?

- A. Fossils of *Homo neanderthalensis* have been found recently in South America
- B. Neanderthal man and Cro-magnon man did exist for sometime together
- C. *Australopithecus* fossils have been found in Australia
- D. *Homo erectus* was preceded by *Homo habilis*

**Answer: B**



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**87.** Which one of the following is a living fossil ?

- A. *Pinus longifolia*
- B. *Dalbergia sissoo*
- C. *Mirabilis jalapa*
- D. *Ginkgo bilob*

**Answer: D**



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**88.** Which of the following sets includes only the vestigial structures in man ?

- A. Body hair, olecranon process, coccyx, patella
- B. Wisdom teeth, mammary glands, coccyx, patella
- C. Coccyx, nictitating membrane, vermiform appendix, ear muscles
- D. Coccyx, body hair, ear ossicles, vermiform appendix

**Answer: C**



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**89.** Which of the following is the correct sequence of chemical substance produced during the origin of life on the earth

- A. glucose, amino acids, nucleic acids, proteins
- B. ammonia, amino acids, proteins, nucleic acids
- C. water, amino acids, nucleic acids, enzymes
- D. amino acids, ammonia, phosphates, nucleic acids

**Answer: B**



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**90.** Which one of the following is direct ancestor of modern man

- A. Homo erectus
- B. Ramapithecus
- C. Homo habilis
- D. Cro-magnon man

**Answer: D**



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**91.** Extremities, tail and ear are relatively shorter in animals living in cooler regions as compared to those inhabiting warmer zones. This is .

- A. Bergman's rule
- B. Jordan's rule
- C. Gloger's rule
- D. Allen's rule

**Answer: D**



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**92.** The presence of gill slits in the embryos of all vertebrates supports the theory of :

- A. biogenesis
- B. recapitulation
- C. metamorphosis
- D. organic, evolution

**Answer: A**



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**93.** The homologous organs are those that show similarity in

- A. size
- B. origin

C. function

D. appearance

**Answer: B**



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**94.** 'Golden Age of Dinosaurs'/Age of reptiles was

A. Mesozoic

B. Coenozoic

C. Palaeozoic

D. Psychozoic

**Answer: A**



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**95.** The earliest fossil form in the phylogeny of horse is

- A. Merychippus
- B. Meshippus
- C. Eohippus
- D. Equus

**Answer: C**



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**96.** Homologous organs are

- A. wing of insects and bat
- B. gills of fish and lungs of rabbit
- C. pectoral fins of fish and fore limbs of horse
- D. wings of grasshopper and crow

**Answer: C**



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**97.** Two zoogeographical regions separated by high mountain ranges are :

- A. Oriental and Australian
- B. Palaerctic and Oriental
- C. Nearctic and Palaeractic
- D. Neotropical and Ethiopian

**Answer: B**



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**98.** Which one is irrelevant to evolution of man?

- A. Perfection of hand for tool making
- B. Changer of diet form hard nuts/roots to soft food
- C. Increased ability to communication or develop community behaviour
- D. Loss of tail

**Answer: D**



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**99.** Which of the following evidences does not favour the lamarckian concept of inheritance of acquired characters?

- A. Lack of pigment in cave dwellers
- B. Absence of limbs in snakes
- C. Presence of webbed toes in aquatic birds
- D. Melanization of peppered moth in industrial areas

**Answer: D**



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**100.** Frequency of a character increase when it is

- A. recessive dominant
- B. dominant
- C. inheritable
- D. adaptable

**Answer: D**



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**101.** Evolutionary convergence is the development of :

- A. common set of characters in group of different

- B. dissimilar characters in closely related groups
- C. common set of characters in closely related groups
- D. random mating

**Answer: A**



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**102. Theory of natural selection dwells on**

- A. role of environment in evolution
- B. natural selection acting on favourable variations
- C. changes in gene complex resulting in heritable variations
- D. None of the above

**Answer: B**



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**103.** Weismann cut off tails of mice generation after generation but tails neither disappeared nor shortened showing that

- A. chemoautotrophs
- B. chemoheterotrophs
- C. autotrophs
- D. eukaryotes

**Answer: D**



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**104.** Genetic drift is change of.

- A. gene frequency in same generation
- B. appearance of recessive genes
- C. gene frequency from one generation to next
- D. None of the above

**Answer: C**



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**105.** The first organism were

- A. chemoautotrops
- B. chemoheterotrophs
- C. autotrophs
- D. eukaryotes

**Answer: B**



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**106.** Correct order is :

- A. Palaeozoic → Archaeozinc → Coenozoic

B. Archaeozoic → Palaeozoic → Proterozoic

C. Palaeozoic → Mesozoic → Coenozoic

D. Mesozoic → Archaeozoic → Proterozoic

**Answer: C**



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**107.** Which was absent in the atmosphere at the time of origin of life ?

A.  $NH_3$

B.  $H_2$

C.  $O_2$

D.  $CH_4$

**Answer: C**



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**108.** Study of fossils is

- A. palaeontology
- B. herpetology
- C. saurology
- D. organic, evolution

**Answer: A**



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**109.** Parallelism is

- A. adaptive divergence
- B. adaptive divergence of widely separated species
- C. adaptive convergence of widely different species
- D. adaptive convergence of closely related group

**Answer: D**



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**110.** Basic principles of embryonic development were stated by

A. Von Baer

B. Weiman

C. Haeckel

D. Morgan

**Answer: A**



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**111.** Origin of life' was written by

A. Oparin

B. Weismann

C. Lamarck

D. Darwin

**Answer: D**



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**112.** Evolution is

A. progressive development of a race

B. history and development of race along with variations

C. history of race

D. development of race

**Answer: B**



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**113.** "Theory of Continuity of Germplasm" was propounded by :

- A. De Vries
- B. Weismann
- C. Darwin
- D. Lamarck

**Answer: B**



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**114.** Theory of inheritance of acquired characters was put forth by

- A. Wallance
- B. Lamarck
- C. Darwin
- D. De Vries

**Answer: B**



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**115.** Humming birds and hawk illustrate

- A. convergent evolution
- B. homology
- C. adaptive radiation
- D. parallel evolution

**Answer: C**



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