QB365 Question Bank Software Study Materials

Zoology - Evolution 50 Important 1 Marks Questions With Answers (Book Back and Creative)

12th Standard

Biology

Total Marks: 50

50

Mul	tiple Choice Question	50 x 1 =
1)	The first life on earth originated	30 X 1 -
	(a) in air (b) on land (c) in water (d) on mountain	
2)	Who published the book "Origin of species by Natural Selection" in 1859?	
	(a) Charles Darwin (b) Lamarck (c) Weismann (d) Hugo de Vries	
3)	Which of the following was the contribution of Hugo de Vries?	
	(a) Theory of mutation (b) Theory of natural Selection (c) Theory of inheritance of acquired characters (d) Germplasm theory	
4)	The wings of birds and butterflies is an example of	
	(a) Adaptive radiation (b) convergent evolution (c) divergent evolution (d) variation	
5)	The phenomenon of "Industrial Melanism" demonstrates	
	(a) Natural selection (b) induced mutation (c) reproductive isolation (d) geographical isolation	
6)	Darwin's finches are an excellent example of	
	(a) connecting links (b) seasonal migration (c) adaptive radiation (d) parasitism	
7)	Who proposed the Germplasm theory?	
	(a) Darwin (b) August Weismann (c) Lamarck (d) Alfred Wallace	
8)	The age of fossils can be determined by	
	(a) electron microscope (b) weighing the fossils (c) carbon dating (d) analysis of bones	
9)	Fossils are generally found in	
	(a) igneous rocks (b) metamorphic rocks (c) volcanic rocks (d) sedimentary rocks	
10)	Evolutionary history of an organism is called	
	(a) Ancestry (b) ontogeny (c) phylogeny (d) paleontology	
11)	The golden age of reptiles was	
	(a) Mesozoic era (b) Cenozoic era (c) Paleozoic era (d) Proterozoic era	
12)	Which period was called "Age of fishes"?	
	(a) Permian (b) Triassic (c) Devonian (d) Ordovician	
13)	Modern man belongs to which period?	
	(a) Quaternary (b) Cretaceous (c) Silurian (d) Cambrian	
14)	The Neanderthal man had the brain capacity of	

(a) 650 – 800cc (b) 1200cc (c) 900cc (d) 1400cc

15)	According to 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.
16)	A population will not exist in Hardy- Weinberg equilibrium if
	(a) Individuals mate selectively (b) There are no mutations (c) There is no migration (d) The population is large
17)	Origin of fishes occurred in period
	(a) Devonian (b) Silurian (c) Cambrian (d) Permian
18)	era is called age of mammals
	(a) Precambrian (b) Permian (c) Cenozoic (d) Paleozoic
19)	Emergence of modern birds occurred in period.
	(a) Devonian (b) Silurian (c) Jurassic (d) Cretaceous
20)	Founder's effect is related to
	(a) Genetic drift (b) Gene mutation (c) Extinction (d) Artificial selection
21)	Homo sapiens or modern human arose in
	(a) Australia (b) Africa (c) Germany (d) Eurasia
22)	The factor which affects Hardly Weinberg equation
	(a) Gene flow (b) Random mating (c) No mutation (d) none of the above
23)	Who coined the term prebiotic soup?
	(a) Haldane (b) Darwin (c) Thomas Huxley (d) Henry Bastian
24)	All the following provided the energy for chemical reaction in the primitive earth Except:
	(a) Rain (b) Lightning (c) UV radiations (d) volcanic activity
25)	This does not produce any genetic variations but once such variations occur, it favours some genetic changes while rejecting others.
	(a) Genetic recombination (b) Chromosomal mutation (c) Reproductive isolation (d) Natural selection
26)	Darwin's finches in Galapagos islands and Australian Marsupials are the example of
	(a) Industrial mechanism (b) Reproductive isolation (c) Genetic recombination (d) Adaptive recombination
27)	Which one of the following brings about evidence for convergent evolution?
	(a) Homologous structure (b) Analogous structure (c) Vestigial organs (d) Atavistic organs
28)	Molecule which is used to study the evolution of respiratory pathway is.
	(a) DNA (b) RNA (c) r RNA (d) cytochrome C
29)	Theory of chemical evolution was proposed by
	(a) Stanley (b) Urey (c) Lamarck (d) Wiessmann
30)	Living organisms originated from non-living materials and occurred through stepwise chemical and molecular evolution is called and this started in the theory of
	(a) Coaceatvates, biogenesis (b) Abiogenesis, spontaneous generation.(b) Abiogenesis, spontaneous generation.(c) Pre-existing life, chemical evolution.
31)	Peripatus is the connection link between Annelida and

15)

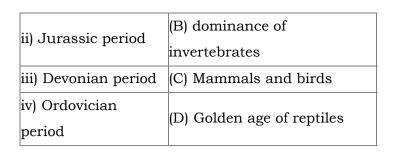
32)	Due to change in the diet containing less cellulose, inhuman become functionless and is reduced to a Vermiform appendix.
	(a) Small intensive (b) large intensive (c) Rectum (d) caecum
33)	In Hardy - Weinberg equation, the frequency of heterozygous individual is represented by
	(a) P_2 (b) $2pq$ (c) pq (d) q^2
34)	Identify the incorrect statement in concern with Neanderthals
	(a) Neanderthal human were found in Germany (b) They possessed flat cranium (c) They used to bury their dead
	(d) Their brain size is of 650 - 800 cc
35)	Identify the mismatched pairs
	(a) Thorn of Bougainvillea and Tenrdril of cucurbita - Analogy (b) Forelimbs of whale and cat - Analogy
	(c) Octopus eye & Mammalian eye - Homology (d) Root of sweet potato & stem of potato - Homology
36)	Witnesses for evolution are found in
	(a) Rocks (b) Ocean beds (c) Fossils (d) Desert
37)	Assertion (A): Hardy - Weinberg principle states that allelic frequency of a population remain constant Reason (R): Constancy is maintained through natural selection and mutation
	(a) A is true R is false (b) A is false R is true (c) Both A and R are true (d) R explains A
38)	Genetic drift leads to
	(a) Mutation (b) Bottle neck effect (c) Immigration (d) Isolation
39)	Atavism refers to
	(a) Inheritance oftriat by mother (b) Inheritance of trial by father (c) Criss-cross inheritance
	(d) Inheritance of characters not shown by parents
40)	There is no life on moon due to absence of
	(a) silicates (b) air (c) nitrogen (d) water
41)	The synthesis of nucleoproteins provided the first sign of
	(a) evolution (b) life (c) speciation (d) none
42)	Which one is vestigial organ in human?
	(a) ear pinnae (b) adrenal glands (c) vermiform appendix (d) sebaceous glands
43)	Homologous structures are
	(a) dissimilar in origin, similar in function (b) dissimilar in origin and function both
	(c) similar in origin but similar or dissimilar in function (d) similar in origin and dissimilar in function
44)	A vestigial organ of man is
	(a) ileum (b) tooth (c) ear pinnae (d) ear muscle
45)	Which of the following is not a ozone depleting substance?
	(a) Methyl chloroform (b) Carbon tetrachloride (c) Hydrochloro fluorocarbons (d) Nitrous oxide
46)	Match the following and find the correct answer
	i) Tertiary period (A) Age of fishes

(b) Platyhelminthes

(a) Arthropoda

(c) Mollusca

(d) Echinodermata



(a) (i) - B, (ii) - C, (iii) - D (iv) - A (b) (i) - C, (ii) - D, (iii) - B (iv) - A (c) (i) - D, (ii) - C, (iii) - B (iv) - A

(d) (i) - C, (ii) - D, (iii) - A (iv) - B

47) There is no life on moon because it has no

- (a) nitrogen (b) sulphur (c) oxygen (d) water
- 48) Russian scientist first to propose modern theory of origin of life
 - (a) Oparin (b) Haldane (c) Miller (d) Bahadur
- 49) Golden age of dinosaurs / age of reptiles was
 - (a) Mesozoic (b) Cenozoic (c) palaeozoic (d) psychozoic
- 50) Identify the correct sequence from oldest to youngest
 - (a) Cambrian o Permian o Devonian o Silurian o Ordovician
 - (b) Permian o Silurian o Devonian o Ordovician o Cambrian
 - (c) Permian \rightarrow Devonian \rightarrow Silurian \rightarrow Cambrian \rightarrow Ordovician
 - (d) Cambrian o Ordovician o Silurian o Devonian o Permian