

BIOLOGY

BOOKS - TRUEMAN BIOLOGY

EVOLUTION

Multiple Choice Questions

- **1.** According to spontaneous generation (Abiogenesis) theory proposed by Anaximander
 - A. organisms arose from water
 - B. organisms arose only from other similar organisms
 - C. organisms arose automatically from non-living matter
 - D. organisms arose only from air

Answer: C



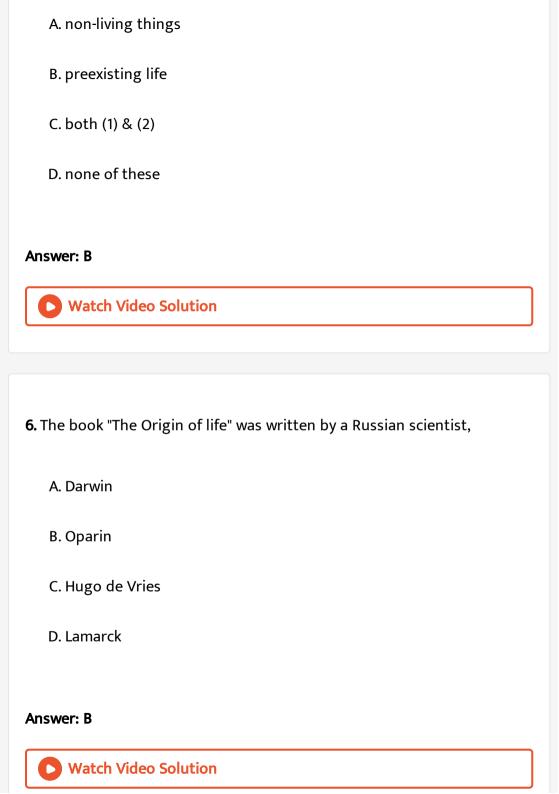
- **2.** Cosmozoic theory was proposed by
 - A. Oparin
 - B. Richter
 - C. Arrhenius
 - D. Pasteur

Answer: B



- **3.** Cosmic Panspermia theory was proposed by
 - A. Plato
 - B. Redi
 - C. Arrhenius

D. Thales
Answer: C
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4. Biogenesis was proposed by Francesco Redi and supported by
A. Thales and Plato
B. Spallanzani and Pasteur
C. Thomson and Helmholtz
D. Oparin and Haldane
Answer: B
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5. Biogenesis states life originated from



7. Haldane born in England,migrated toin July,1957.
A. Canada
B. Russia
C. India
D. Nepal
Answer: C Watch Video Solution
8. Modern theory of origin of life includes
A. chemical evolution
B. biological evolution
C. both chemical and biological evolution

D. none of the above

Answer: C



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9. Stanley Lloyd Miller a graduate student of Harold C. Urey, Conducted an experiment to demonstrate that simple organic molecules like amino acids could be produced if an electric discharge is passed through a mixture of such gases as might have been present in the atmosphere of the early earth. The gaseous mixture used in the experiment comprised

A. methane, ammonia, hydrogen, water vapour

B. methane,carbon dioxide,nitrogen,water vapour

C. ammonia, carbon dioxide, nitrogen water vapour

D. methane,ammonia,nitrogen,water vapour

Answer: A



10. Who called water of primitive sea as prebiotic soup :
A. Haldane
B. Oparin
C. Fox
D. Huxley
Answer: A Watch Video Solution
11. Oparin's theory is based on
A. artificial synthesis
B. spontaneous generation
C. God's will

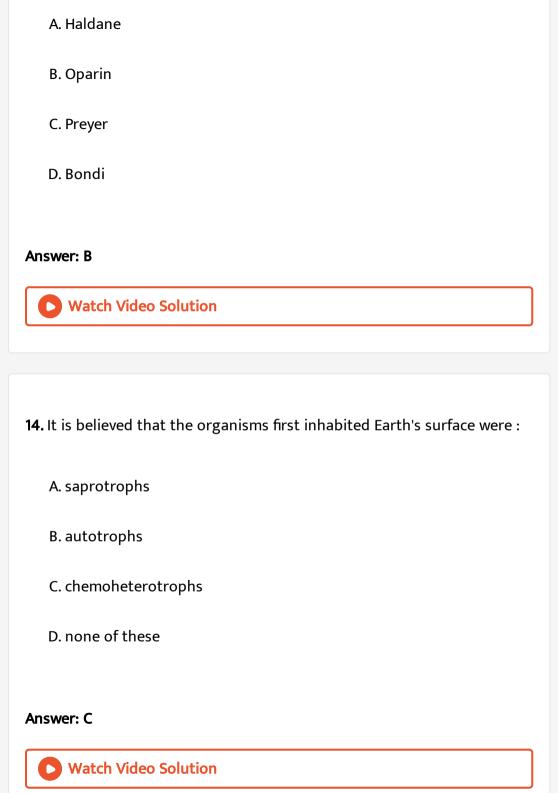
D. all
Answer: A
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2. Which type of respiration probably arose first?
A. aerobic as it releases more energy
B. anaerobic as it releases more energy
C. aerobic as it is more complex

D. anaerobic as early atmosphere contained little or no oxygen

Answer: D



13. Coacervates were large colloidal aggregates named by



- 15. On the basis of Miller's experiment one can say that
 - A. organic compounds have carbon, hydorgen and oxygen
 - B. organic compounds can be synthesized in the laboratory
 - C. life originated in the from of amino acids
 - D. complex organic molecules were first fromed on primitive earth

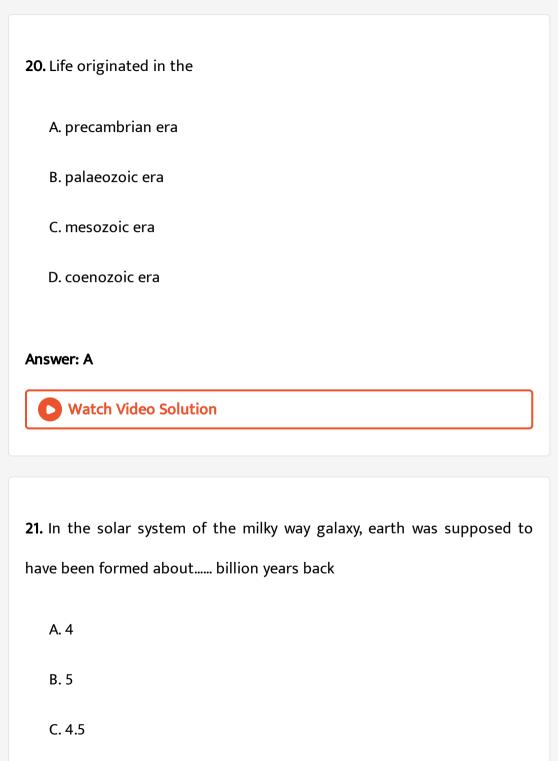
Answer: D



- 16. Which is not correct match
 - A. Alanine, Glycine, Aspartic acid-Miller
 - B. Coacervate-Oparin
 - C. Microsphere-sydney Fox

D. Stromatolites-Aristotle
Answer: D
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17. Who proposed symbiotic origin of Eukaryotes
A. Graham Cairns-Smith
B. Margulis
C. Abbe Lemaire
D. Kant
Answer: B
Watch Video Solution
18. Who proposed the three domain system of classification.

A. Whittaker
B. Carl Woese
C. Haeckel
D. John Ray
Answer: A
Watch Video Solution
19. Life originated on our planet
A. 2 billion years ago
B. 3.7 billion year ago
C. 5 billion years ago
D. 10 billion year ago
Answer: B
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D	3	5
ν.	J	

Answer: C



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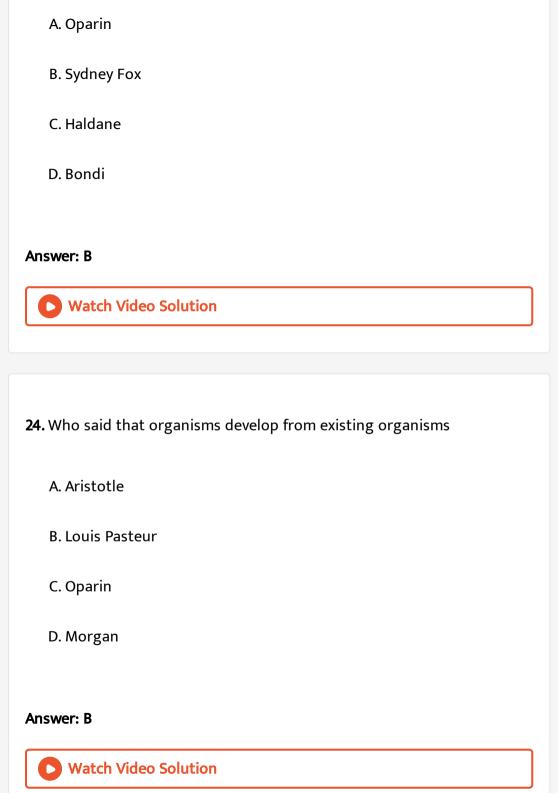
- **22.** Oparin's theory is based on
 - A. organic evolution
 - B. chemical evolution
 - C. cosmic evolution
 - D. artificial synthesis

Answer: B



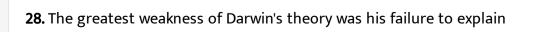
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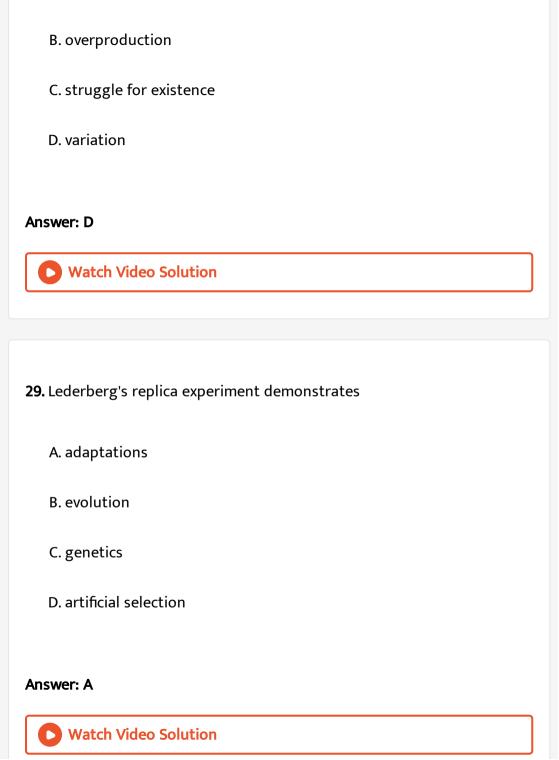
23. Microspheres were named by



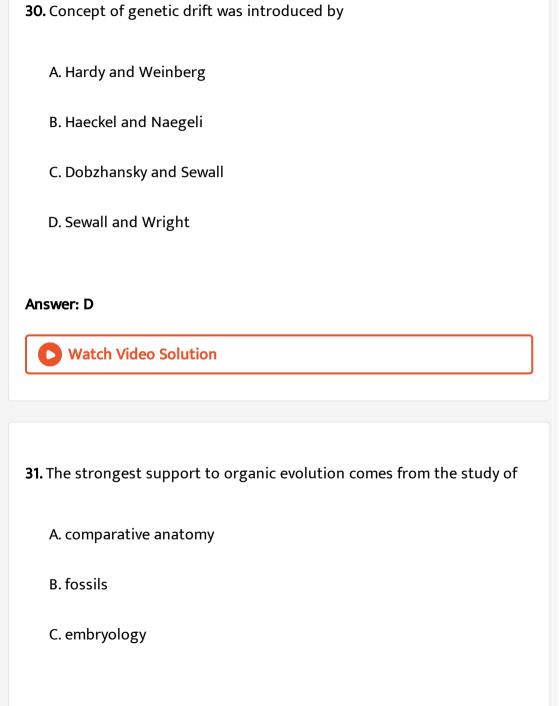
25. First photosynthetic organisms to appear on earth were
A. bacteria
B. green algae
C. cyanobacteria
D. bryophytes
Answer: C
Watch Video Solution
Watch Video Solution
Watch Video Solution 26. A compound important in prebiotic evolution was
26. A compound important in prebiotic evolution was
26. A compound important in prebiotic evolution was $A.\ SO_2$

D. NO
Answer: B
Watch Video Solution
27. On the basis of serological tests, which one is closest to man?
A. Baboon
B. Chimpanzee
C. Gorilla
D. Monkey
Answer: B





A. survival of the fittest



D. taxonomy
Answer: B
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32. Who is regarded as father of evolutionary concept
A. Aristotle
B. Empedocels
C. Lamarck
D. Darwin
Answer: B
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33. Name the first one-toed horse.

A. Pliohippus B. Eohippus C. Mesohippus D. None of these Answer: A **Watch Video Solution** 34. Parallelism is A. adaptive divergence in evolution B. adaptive convergence of widely different species in evolution C. adaptive convergence of closely related species in evolution D. none of the above Answer: C

35. Which of the organs in man is not likely to become extinct soon?
A. wisdom tooth
B. blind spot
C. hair
D. ear muscles
Answer: B
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36. Which of the following is a fossil?
A. Euglena
B. Balanoglossus
C. sycon

D. Limulus
Answer: D
Watch Video Solution
37. The beak in birds is toothed in
A. Ostrich
B. Kiwi
C. Pelican
D. Archaeopteryx
Answer: D
Watch Video Solution
38. Geology and Zoology are intimately connected in:

A. archaelogy B. palaeontology C. sociology D. zoogeography **Answer: B Watch Video Solution** 39. Archaeopteryx became extinct in cretaceous and is connecting link between A. reptiles and mammals B. reptiles and birds C. amphibians and reptiles D. birds and mammals **Answer: B**



- **40.** Which animal has become extinct recently?
 - A. Dinosaur
 - B. Pterodactyl
 - C. Mammoth
 - D. Dodo

Answer: D



- **41.** Father of palaeontology is
 - A. Hugo de vries
 - B. Georges cuvier
 - C. Leonard da vinci

D. wallace
Answer: C
Watch Video Solution
42. Founder of modern palaeontology is
A. Georges Cuvier
B. Xenophanes
C. Osborn
D. Lamarck
Answer: A
Watch Video Solution
43. Wooly mammoths were found buried in ice of

A. Himalayas
B. North pole
C. Siberia
D. Atlantica
Answer: C
Watch Video Solution
44. Trilobates were dominant in
A. Precambrian
B. Cambrian
C. Ordovician
D. Silurian
Answer: B
Watch Video Solution

45. Fossil Parks of India are
A. Deccan country
B. Rajmahal Hills
C. Old coal forming forest
D. All the above
Answer: D Watch Video Solution
AC Diverse with its start
46. Dinosaurs originated:
A. long before mammals
B. in the same period with mammals
C. before mammals and gave rise to them

D. sometir	me after man	nmals	
Answer: B			

47. In the geological history of earth, the beginning of birds and mammals occurred in

A. Carboniferous and Permian epochs

B. Jurassic

C. Silurian

D. Eocene and Oligocene

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Answer: B



48. The age of fossils can be estimated now by
A. earth's crust
B. amount of calcium deposited
C. remaining quantity of radioactive carbon in relevant rocks
D. All of the above
Answer: C
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49. Man (Homo) originated in
A. Pliocene
B. Palaeocene
C. miocene
D. oligocene

Answer: A **Watch Video Solution 50.** Whose palaeontological history is older then that of the other three? A. Dinosaurus B. Frog C. Man D. Horse **Answer: B Watch Video Solution** 51. Hoofed animals like horse originated in: A. eocene

B. oligocene C. miocene D. pleistocene Answer: A Watch Video Solution 52. Which of the following were abundant in mesozoic era Or Birds are evolved from A. Pisces B. mammals C. birds D. reptiles **Answer: D**



53. Which horse resembles pliohippus in general features?

A. Eohippus

B. Mesohippus

C. Equus

D. None of these

Answer: C



54. Fossil of Archaeopteryx lithographica placed in London was found in

A. India

B. China

C. Germany

D. England	
swer: C	
Watch Video Solution	
Most primitive fossil of horse is	
A. equus	
B. merychippus	
C. mesohippus	
D. eohippus	
swer: D	
Watch Video Solution	

56. Age of invertebrates was

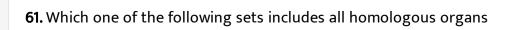
A. cambrian
B. silurian
C. ordovician
D. permian
Answer: C
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57. Age of fishes is
A. permian
B. devonian
C. triassic
D. miocene
Answer: B
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58. age of amphibians is
A. eocene
B. jurassic
C. carboniferous
D. oligocene
Answer: C Watch Video Solution
59. Ordovician is also called age of
A. annelids

C. giant mollusca

Answer: C
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60. Analogous organs have a
A. common embryonic origin but perform different functions
B. different embryonic origin and perform different functions
C. common embryonic origin and perform similar functions
D. different embryonic origin but perform similar functions
Answer: D

D. echinoderms



- A. hindlegs of dog, duck and kangaroo B. wings of bats, butterflies and birds C. sting of honeybee, scorpion and mosquito D. tail of rat, peacock and earthworm Answer: A **Watch Video Solution 62.** Which of the following organ in man is not vestigial:
- A. nictitating membrane
 - B. epiglottis or ileum and malleus
 - C. vermiform appendix
 - D. muscles of ear pinnea

Answer: D

63. Vestigial organ of python is:
A. nose
B. soales
C. teeth
D. pelvic girdle
Answer: C Watch Video Solution
64. Which statement is correct?
A. wings of bat and butterfly are homologous
B. wings of bird and hands of man are analogous
C. atlas is vestigial

D. coccyx of man is vestigial
Answer: C
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65. Which protozoan resembles the ancestral form from which the plants
and animals evolved ?

A. Amoeba

C. Euglena

Answer: D

B. Paramecium

D. Plasmodium

66. Connecting link between annelida and mollusca is
A. Cuttle fish
B. Octopus
C. Neopilina
D. Nautilus
Answer: C
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67. Reappearance of certain ancestral characters is called
67. Reappearance of certain ancestral characters is called A. anabolism
A. anabolism
A. anabolism B. catabolism

Answer: B



68. Who has divided the whole world into six major biogeographical regions or realms for the distribution of animals and plants ?

- A. A.R. Wallace
- **B.** Charles Darwin
- C. Dr. P.L. Sclater
- D. Hugo de vries

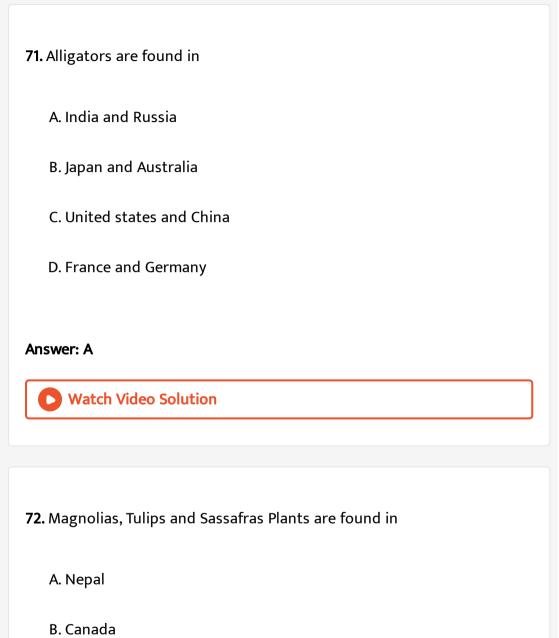
Answer: C



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69. The Galapagos Islands were associated with:

A. Lamaeck
B. Darwin
C. Malthus
D. Cuvier
Answer: C
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70. Birds of Galapagos islands were named Darwin's finches by
A. Darwin
B. Wallace
C. Dr.David Lack
D. Hugo de vries
Answer: D
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C. Austria

D. USA and China
Answer: B Watch Video Solution
73. Basic principles of embryonic development were stated by
A. von Baer
B. Haeckel
C. Darwin
D. Weismann
Answer: D
Watch Video Solution
74. Biogenetic laws/recapitulation theory was proposed by

A. Weismann B. Haeckel C. Darwin D. Malthus **Answer: D Watch Video Solution** 75. Accroding to Heackel's biogenetic law: A. development of individual metazoa shows embyonic characters of ancestors B. ontogeny repeats phylogeny C. germplasm is immortal D. every organism is produced by its parents **Answer: C**



76. Appearance of teeth in the embryos of birds is an example of :

A. vestigeal organs

B. ontogeny repeats phylogeny

C. atavism

D. speciation

Answer: C



77. Tadpole larva of frog is a good example of

A. retrogressive metamorphosis

B. neoteny

C. parthenogenesis

D. biogenetic law

Answer: C



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78. Which is the correct sequence?

A. algae $\ \rightarrow \$ pteridophytes $\ \rightarrow \$ gymnosperms

B. bryophytes $\;
ightarrow\;$ angiosperms

C. pteridophytes $\ \ o$ algae

D. algae \rightarrow bryophytes \rightarrow pteriodophytes \rightarrow gymnosperms

Answer: C



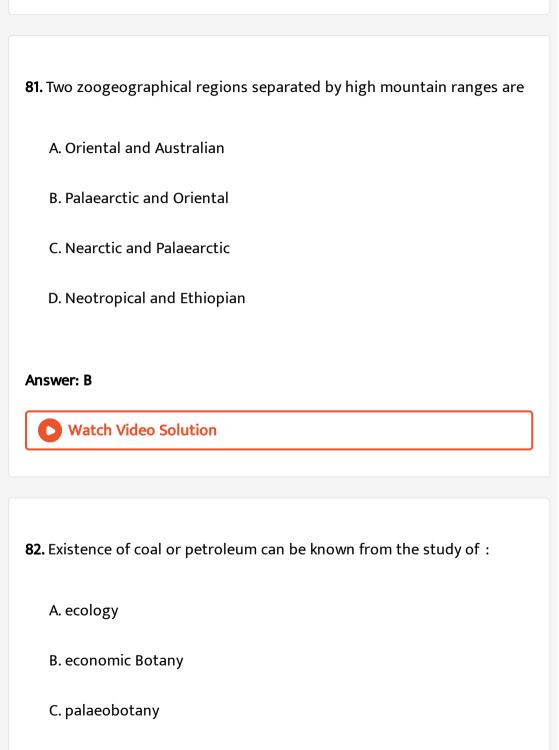
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79. Blood proteins are similar in

C. amphibians and birds D. birds and mammals **Answer: B Watch Video Solution** 80. 'Golden Age of Dinosaurs'/Age of reptiles was A. Mesozoic B. Coenozoic C. Palaeozoic D. Psychozoic Answer: C **Watch Video Solution**

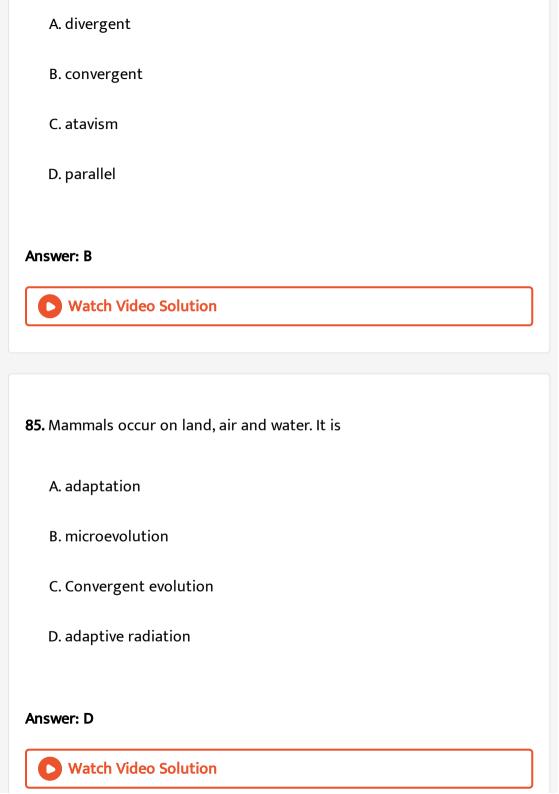
A. fishes and reptiles

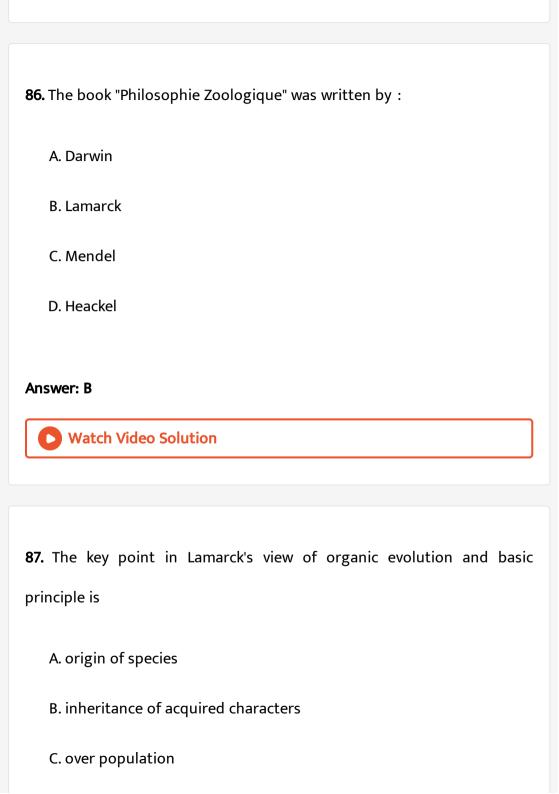
B. amphibians and birds



D. bacteriology
Answer: C
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83. Famous palaeontologist/palaeobotanist of India was
A. P.Maheshwari
B. S.R.Kashyap
C. B.Sahni
D. B.P.Pal
Answer: C
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84. Wings of pigeon, mosquito and bat show





D. natural selection
nswer: B
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8. The term'Biology' was first used by
A. Darwin
B. Lamarck and Treviranus
C. Hugo de vries
D. Wallace
nswer: B
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89. Weismann formulated his "theory of continuity of Germ plasm" in

A. 1892
B. 1859
C. 1863
D. 1959
Answer: A
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90. Who experimentally proved that acquired characters are not inherited
and play no role in evolution?
A. Weismann
B. Darwin
C. Hugo de vries
D. Mendel
D. Meridei
D. Meridei

91. Which of the following	is a case of	adaptive	radiation?
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- A. Wings of birds and insects
- B. Human vermiform appendix
- C. Darwin's Galapagos finches
- D. Cactus and euphorbia plants

Answer: C



92. The idea of Natural Selection as the fundamental process of evolutionary change was reached

A. independently by Charles Darwin and Alfred Russel Wallace in 1900

B. by Charles Darwin in 1866

C. by Alfred Russel Wallace in 1901

D. independently by Charles Darwin and Alfred Russel Wallace in 1859

Answer: D



93. T.R. Malthus is famous for this book on

A. genetics

B. population

C. mathematics

D. geography

Answer: B



94. Who published the book "Origin of species by Natural Selection" in 1859

A. Lamarck

B. Darwin

C. Wallace

D. Oparin

Answer: B



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95. 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

Answer: B



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96. Co-worker of Darwin was

A. Wallace

B. Mendel

C. Bateson

D. Lamarck

Answer: A



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97. Given: 1 = Natural selection, 2 = Variations and their inheritance, 3 =

Survival of the fittest, 4 = struggle for existence

According the Darwinism, which of the following represents the correct squence of events in the origin of new species?

A. 1,2,3,4

B. 2,3,1,4

C. 3,4,1,2,

D. 4,2,3,1

Answer: D



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98. Who gave principle that man tends to multiply by geometrical progression then food supply?

A. Malthus

B. Darwin

C. Haldon

Answer: A
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99. For evolution,the most important requirement is :
A. adaptation of acquired characters
B. Variation
C. natural selection
D. development anomaly
Answer: B

D. Gandhi

100. The book "Descent of Man and selection in relation to sex" was written by

A. Robert Broom

B. Lamarck and Darwin

C. Charles Darwin

D. lamarck

Answer: D



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101. Replica plating experiment was conducted by

A. Joshua Lederberg

B. R.A.Fisher

C. Esther Lederberg

D. (1) and (3)

Answer: D



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102. Which of these was most influential in formulation of Natural selection Theory by Darwin?

- A. Malthus essay on population
- B. Inheritance of acquired characters
- C. Mendelian laws of inheritance
- D. Struggle for existence

Answer: A



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103. The most accepted and recent theory of organic evolution is:

- A. Lamarck's theory of inheritance of acquired characters B. Darwin Wallace theory of natural selection C. Hugo de Vries mutation theory D. Synthetic theory (Neo-Darwinism) Answer: D **Watch Video Solution**
- **104.** According to the Neo-Darwinian theory, which of the following is responsible for the origin of new species
 - A. Mutations
 - B. Useful Variations
 - C. Mutations together with natural selection
 - D. Hybridization

Answer: C



105. Industrial melanism in moths was originally studied by

A. Kettlewell

B. Fisher and Ford

C. Darwin

D. Lamarck

Answer: C



106. Darwin explained artifical selection by taking example of

A. Dogs

B. Pigeons

C. Cats

D. Giraffe
Answer: B
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107. Initiating force of evolution is:
A. natural selection
B. mutation
C. adaptation
D. none of these
Answer: B
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108. Which is a correct match?

A. Darlington-DNA replication B. Mendel-mutation C. Morgan-father of genetics D. Hugo de vries-Oenothera lamarckiana Answer: D **Watch Video Solution** 109. A child has a single kidney since birth. This variation is A. positive meristic B. negative meristic C. substantive D. blastogenic Answer: B **Watch Video Solution**

110. Which law of evolution states that "Warmblooded" mammals of hot and humid areas have abundant melanin pigment

- A. Dollo's Law
- B. Gloger's Law
- C. Cope's Law
- D. Gause's Law

Answer: B



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111. Genetic drift is the elimination of

- A. individuals
- B. chromosomes
- C. species

D. genes of some original characteristics of a species due to epidemics Answer: D **Watch Video Solution** A. differentiation of species

112. Reproductive isolation results in

B. evolutionary divergence

C. maintenance of a species

D. extermination of a species

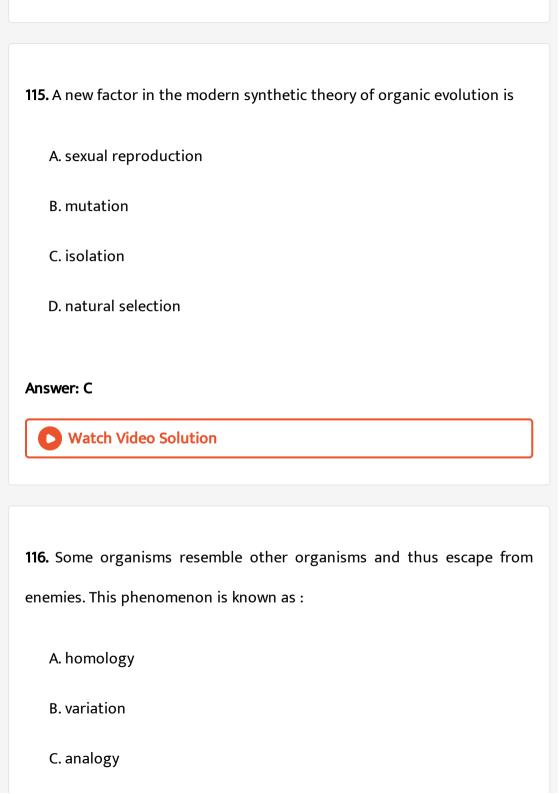
Answer: B



113. Instant speciation can occur by

B. interspecific hybridization C. polyploidy D. both (2) and (3) **Answer: C Watch Video Solution** 114. Appearance of DDT-resistant mosquitoes is an instance of A. parallel evolution B. convergent evolution C. current evolution D. divergent evolution Answer: C **Watch Video Solution**

A. intraspecific hybridization



D. mimicry

Answer: D



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117. The greatest evolutionary change enabling the land vertebrates to be completely free from water , was the development of

A. four legs

B. lungs

C. shelled eggs and internal fretilization

D. four chambered heart

Answer: C



A. Mule is not a species
B. Mule is a new species
C. Horse and ass are two populations
D. Mule represents a common ancestor of horse and ass
Answer: C
Watch Video Solution
119. A species is a collection of demes. The deme is a group of
A. genes
B. individuals
C. chromosomes
D. population with a common gene pool

118. Mule is a hybrid, which of the following statements is correct?

Answer: D



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120. In sympatric speciation

- A. Part of the population becomes geographically isolates from main population
- B. small segment of the original population becomes isolated reproductively
- C. migration of members of a species from one to other population takes place
- D. hybridization occurs

Answer: B



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121. Allopatric speciation is due to

- A. mutations
- B. geographical separation of populations
- C. migration of members of a species from one to other population
- D. hybridization between closely related species

Answer: A



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122. Survival of Fittest' was used by

- A. Charles Darwin
- B. Herbert Spencer
- C. Jean Baptiste Lamarck
- D. Hugo de Vries

Answer: C



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123. Light coloured Peppered Moth/Biston betularia gets changed to its darker carbonaria variety due to

- A. translocation of block of genes in response of heavy carbons
- B. deletion of gene segment due to industrial pollution
- C. mutation of single mendelian gene for survival in smoke laden industrial environment
- D. industrial carbon deposited on wings

Answer: B



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124. Closely related, morphologically similar reproductively isolated sympatric populations are designated as

- A. Clones
- B. Clines
- C. Demes
- D. Sibling species

Answer: A



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- - A. natural selection
 - B. Germplasm theory
 - C. Evolution but not Lamarck's theory

125. The presence of vestigial organs in man supports:

D. Synthetic theory

Answer: D



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126. Animals living in colder region have shorter tail and ears as compared to the animals living in warmer regions. This phenomenon is called

- A. Allen's law
- B. Cope's law
- C. Bergmann's law
- D. Dollo's law

Answer: A



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127. Which one of the following scientists is not related with organic evolution?

A. T.R.Malthus

B. Erasmus Darwin

C. Darlington

D. Charles Darwin

Answer: B



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128. Who gave the 'Theory of pangenesis'

Or

Who is related with 'Galapagos Island'

A. Correns

B. Mendel

C. Hugo de Vries
D. Darwin
Answer: B
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129. Who wrote the book 'Genetics and Origin of Species' ?
A. Devis
B. Dobzhansky
C. Julian Huxley
D. Fisher
Answer: C
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130. The theory which explains the origin of life and is based upon experiments

A. chemical theory

B. catastrophism

C. abiogenesis

D. biogenesis

Answer: B



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131. Darwin's finches show one of the following aspects of evolution.

A. Biogeographic evidence

B. Industrial melanism

C. Biochemical evidence

D. Embryological evidence

Answer: A



132. The age of evolution of man is measured by

- A. observing by electron microscope
- B. chemical reaction
- C. C-14 radiocarbon dating
- D. ultraviolet radiations

Answer: C



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133. Wallace's line passes between

A. Sumatra and Java

B. Borneo and Celebes

C. Timor and New Guinea

D. Bali and Lombok

Answer: B

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134. The origin of angiosperm took place during

- A. mesozoic era
- B. coenozoic era
- C. archeozoic era
- D. proterozoic era

Answer: A



135. Mutation cannot explain
A. mimicry
B. industrial melanism
C. connecting link
D. living fossils
Answer: D
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136. Tasmanian wolf is a marsupial while wolf is a placental mammal. This
shows:
A. convergent evolution
B. divergent evolution
C. parallelism
D. inheritance of acquired characters

Answer: A



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

- A. sexual selection
- B. rendom mating
- C. mutation
- D. gene flow

Answer: B



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

A. Allen's law B. Gause's law C. Competitive exclusion principle D. Weiseman's theory **Answer: B Watch Video Solution** 139. Cause of mimicry is A. attack (Offence) B. Protection (Defence) C. both (1) and (2) D. isolation **Answer: C** Watch Video Solution

140. Animals of cold countries have shorter ears. This is

A. Allen's law

B. Jordan's law

C. Dollo's law

D. Gloger's law

Answer: B



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141. The formula of genetic drift that occurs in small isolated population is

A.
$$GD \propto rac{\sqrt{pr}}{a}$$

A.
$$GD \propto \frac{\sqrt{pn}}{q}$$
B. $GD \propto \frac{\sqrt{pq}}{n}$
C. $GD \propto \frac{\sqrt{n}}{pq}$

$$\mathsf{C}.\,GD \propto rac{\sqrt{n}}{pq}$$

D.
$$GD \propto rac{\sqrt{pn}}{p}$$

Answer: B



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- 142. The evolution resulting in the formation of new species is known as
 - A. microevolution
 - B. macroevolution
 - C. megaevolution
 - D. (1) and (2)

Answer: B



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143. All the finches on the Galapagos islands are

A. completely unrelated B. descended from a common ancestor C. in competition with one another due to feeding seeds D. both (2) and (3) **Answer: B Watch Video Solution** 144. Which one of the following considered to be ancestor of all other? A. Cabbage B. Cauliflower C. Kohlrabi D. Colewort Answer: D **Watch Video Solution**

145. Reason of fast speciation in present day crop plant is :
A. mutation
B. isolation
C. polyploidy
D. sexusl reproduction
Answer: C
Answer: C Watch Video Solution
Watch Video Solution

C. retrogressive evolution

Answer: C
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147. When a primitive bacterium is exposed to oxygen
A. it dies
B. it develops chlorophyll
C. it produces methane ozone
D. it works faster
Answer: A
Watch Video Solution
148. Which of the following evolved first?

D. coevolution

A. Coacervates B. Viroids C. Cyanobacteria D. Mycoplasma Answer: A **Watch Video Solution** 149. Which of the following is formed from proteinoids exposed to water, has properties similar to tooday's cells? A. Liposome B. Coacervate C. Microsphere D. All of these Answer: C



150. First cell produced on Earth is:

A. metazoa

B. protozoa

C. protobiont

D. none of these

Answer: C



151. Nucleoprotein most probably gave the first sign of:

A. life

B. proteins

C. mimicry

D. evolution

Answer: D



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152. The correct sequence of the of the substances appeared during the course of origin of life on earth was:

A. glucose, amino acids, nucleic acids, proteins

B. ammonia, amino acids, proteins, nucleic acids

C. nucleotides, amino acids, nucleic acids, enzymes

D. amino acids, ammonia, phosphates, nucleic acids

Answer: A



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153. Organisms which obtain energy by the oxidation of reduced inorganic compounds are called

A. saprozoic

B. chemoautotrophs

C. photoautotrophs

D. coproheterotrophs

Answer: C



154. Fossils contents of the alimentary canal are known as:

A. casts

B. trails

C. coprolites

D. impressions

Answer: D Watch Video Solution 155. Trilobites evolved in A. silurian B. cambrian C. ordovician D. precambrian **Answer: B** Watch Video Solution 156. The term 'homologous' was introduced by: A. Richard Owen

C. Leonardo da vinci D. Alfred Russel Wallace **Answer: B Watch Video Solution** 157. A flying reptile was: A. Pterosaur B. Plesiosaur C. Brontosaurus D. Ichthyosaur Answer: B **Watch Video Solution**

B. Andreas Wagner

158. The scientist, who described the birds as glorifies reptiles was:
A. Romer
B. Huxley
C. Mendel
D. Robert Hooke
Answer: D
Watch Video Solution
159. The first mammal appeared in :
A. jurassic period
B. triassic period
C. permian period
D. cretaceous period

Answer: B



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160. Birth palce of horse was:

- A. Africa
- B. Australia
- C. New Zealand
- D. North America

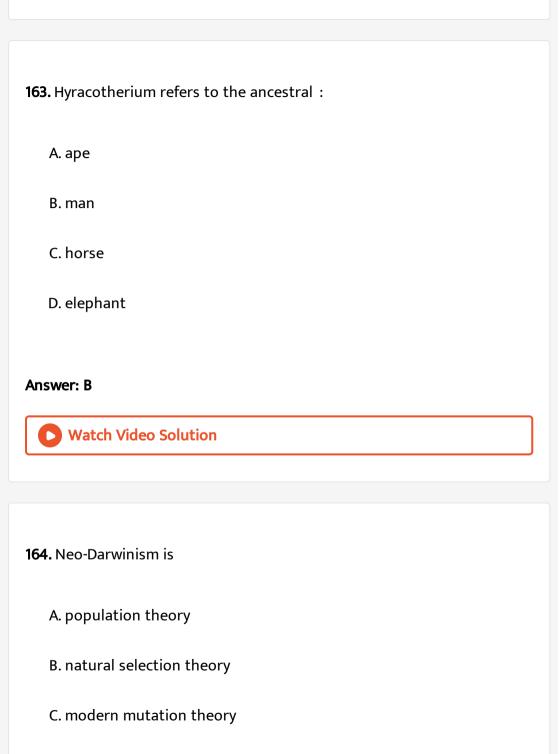
Answer: C



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161. Mommoths were the extinct : they were similar to which of the following?

A. camels
B. horses
C. dinosaurs
D. elephants
Answer: B Watch Video Solution
Watch video Solution
162. Hoofed animals like horse originated in:
A. Eocene epoch
B. Oligocene epoch
C. Miocene epoch
D. Pleistocene epoch
Answer: A
Watch Video Solution



D. modern synthetic theory

Answer: B



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165. Discovery of which of the following in 1980 predicted the existence of

RNA world during early stage in evolution?

A. RNA is not found in all cells

B. RNA has enzymatic properties

C. In some viruses RNA is genetic material

D. m-RNA, t-RNA and r-RNA synthesize proteins

Answer: D



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166. Total collection of genes at any time in a unit of evolution is
Or
The sum of genes in a population is called
A. genome
B. gene pool
C. germplasm
D. gene bank
Answer: D
Answer: D Watch Video Solution
Watch Video Solution
Watch Video Solution 167. Genetic drift operates in :

D. slow reproductive population
Answer: D
Watch Video Solution
168. "Differential reproduction" is just another way of saying:
A. variation
B. mutation
C. genetic drift
D. natural selection
Answer: C
Watch Video Solution
169. The concept of "Biological species " was proposed by :

A. Darwin
B. Mayr
C. von Bear
D. Linnaeus
Answer: C
Watch Video Solution
170. The universe is about Billion year old
A. 12
B. 10
C. 20
D. 25
Answer: D
Watch Video Solution

171. Huge clusters of galaxies comprise the
A. solar system
B. universe
C. sun
D. asteriods
Answer: A
Watch Video Solution
172. Bing Bang theory explains the origin of
172. Bing Bang theory explains the origin of A. universe

Answer: A
Watch Video Solution
173. Which of the following formed sometime later during evolution
A. oxygen and hydrogen
B. hydrogen and helium
C. carbon dioxide and oxygen
D. methane and hydrogen
Answer: C

174. Oxygen combined with ammonia and methane to form

D. stars

A. water and carbon dioxide B. water carbon dioxide and other C. carbon dioxide and carbon nonoxide D. water, hydrogen and cyanide Answer: D **Watch Video Solution** 175. In 1953, S.L. miller, an American scientist, created electric discharge in closed flask containing which gases at $800^{\circ} C$. A. Methane **B.** Proteins C. Carbohydrates D. Amino acids Answer: D

176. In simimlar experiments like Miller's experiment, which products were
obtained?

- A. Sugars
- B. Nitrogen bases
- C. Pigments and fats
- D. All the above

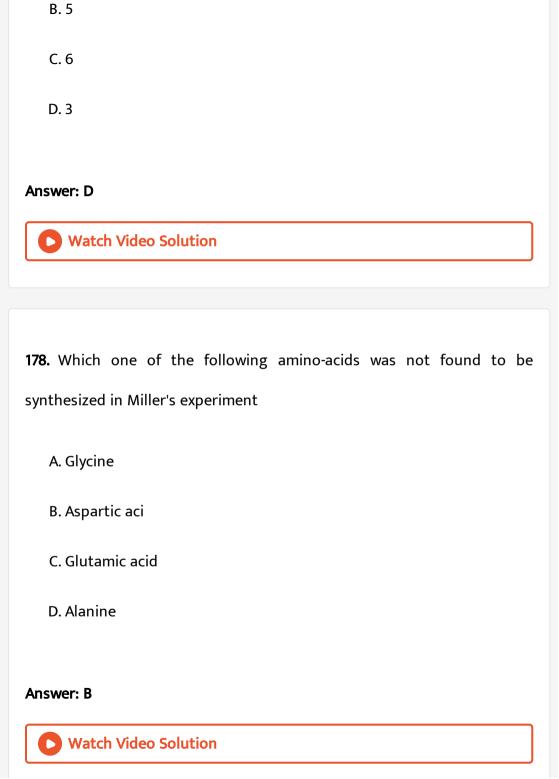
Answer: A



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177. The first non-cellular form of life could have originated ____ billion years back

A. 4



179. Which cannot be explained by Lamarckism ?
A. Elongated of neck of giraffe.
B. Loss of tail in human being.
C. Weak progeny of nobel laureate.
D. None of these
Answer: D
Watch Video Solution
180. Major radiation of mammals, birds and pollinating insects took place in which epoch ?
A. Eocene
B. Pliocene

C	Watch Video Solution
81.	Jurassic period of the Mesozoic era is characterised by
,	A. gymnosperms are dominant plants and first birds appear
i	B. radiation of reptiles and origin of mammal like reptiles
(C. dinosaurs become extinct and angiosperms appear appear
[D. flowering plants and first dinosaurs appear
Ans	wer: A
C	Watch Video Solution

182. Hardy-Weinberg principle explains:

D. Palaeocene

A. genetic equilibrium B. non-random mating C. evolution force D. all of these Answer: A **Watch Video Solution** 183. Resemblance between widely different groups due to a common adaptation is A. parallel evolution B. divergent evolution C. convergent evolution D. retrogressive evolution Answer: C



184. Which one of the following is not a living fossil

A. Limulus

B. Peripatus

C. Sphenodon

D. Archaeopteryx

Answer: D



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185. Darwin finches are related to which of the following evidences?

A. Fossils

B. Anatomy

C. Embryology

D. Geographical distribution

Answer: D



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186. Arrange the periods of palaeozoic era in ascending order in a geological time scale :

A. Cambrian ightarrow Ordovician ightarrow Silurian ightarrow Devonian -

Carboniferous ightarrow Permian

B. Cambrian ightarrow Devonian ightarrow Ordovician ightarrow Silurian ightarrow

Carbovician → Permian

C. Cambrian ightarrow Ordovician ightarrow Devonian ightarrow Silurian ightarrow

Carboniferous ightarrow Permian

D. Silurian $\;
ightarrow\;$ Devonian $\;
ightarrow\;$ Cambrian $\;
ightarrow\;$ Ordovician $\;
ightarrow\;$ Permian

ightarrow Carboniferous

Answer: A



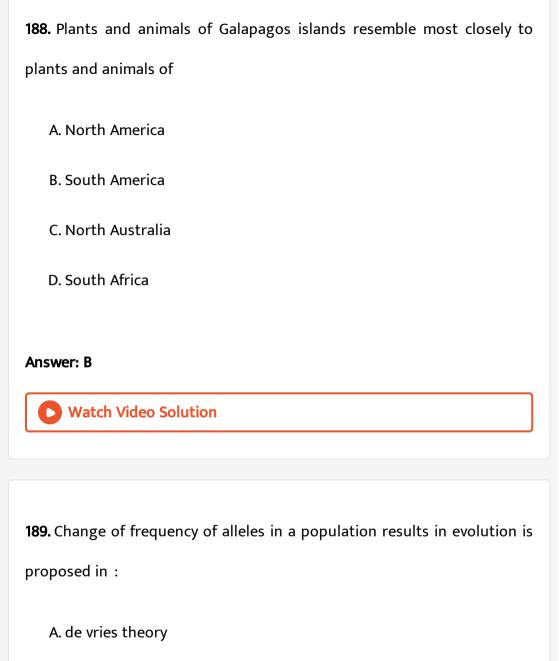
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187. Industrial melanism as observed in peppered moth proves that

- A. the melanic form of the moth has no selective advantage over lighter form in industrial area.
- B. the higher form moth has no selective advantage either in polluted industrial area or non-polluted area.
- C. melanism is a pollution-generated feature.
- D. the true black melanic form arise by recurring random random mutation.

Answer: D





B. Darwin's theory

C. Lamarck's theory

D. Hardy-Weinberg principle

Answer: D



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190. Which of the following defines Hardy-Weinberg's law?

A.
$$p^2+2pq+q^2=0$$

$$\mathsf{B.}\,q^2+p^2+2pq=0$$

$$\mathsf{C.}\,p^2+2pq+q^2=1$$

$$\operatorname{D.} p^2 + 3pq + q^2 = 1$$

Answer: C



191. Hardy-Weinberg equilibrium is known to be affected by gene flow, genetic drift, mutation, genetic recombination and

- A. natural selection
- B. evolution
- C. limiting factors
- D. over production

Answer: D



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192. An evolutionary process giving rise to new species adapted to new habitats and ways of life is called

- A. adaptation
- B. microevolution
- C. adaptive radiation

D.	convergen	nt evoluti	on
----	-----------	------------	----

Answer: C



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193. Higher frequency of melanie British moths and DDT resistance in mosquitoes are cited as examples for :

- A. Genetic drift
- B. Point mutation
- C. natural selection
- D. Arrival of the first

Answer: C



194. Transfer of genes from one gene pool to another is called:
A. gene flow
B. mutation
C. speciation
D. genetic drift
Answer: A
Watch Video Solution
195. Whose bicentenary is the year 2009
A. Darwin
B. Edward Jenner
C. Stanley Miller
D. T.H. Morgan

Answer: A



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196. Darwinism explains all the following except

A. offspring with bette traits that overcome competition are best suited for the environment

- B. variations are inherited from parents to offspring through genes
- C. within each species, there are variations
- D. organisms tend to produce more number of offspring than can survive

Answer: B



197. Which one of the following was not given by Darwin's theory of evolution

A. Struggle for existence

B. Over production

C. natural selection

D. Genetic drift

Answer: D



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198. mayr's biological concept of species is mainly based on

A. morphological feature

B. morphology and method reproduction

C. method of reproduction only

D. reproductive isolation

Answer: D



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199. Darwin could not properly explain the theory of evolution due to lack of

- A. evidences
- B. variations
- C. speciation
- D. genetics

Answer: D



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200. In the case of peppered moth (Biston betularia) the black-coloured from became dominant over the light-coloured form in England during

industrial revolution. This is an example of
A. Protective mimicry
B. Inheritance of darker colour charater acquired due to the darker
environment
C. Natural selection whereby the darker forms were selected
D. Appearance of the darker coloured individuals due to very poor
sunlight
Answer: C
Answer: C Watch Video Solution
Watch Video Solution
Watch Video Solution
Watch Video Solution 201. Same species found in different geographical areas are called:
Watch Video Solution 201. Same species found in different geographical areas are called: A. Sibling

Answer: B
Watch Video Solution
202. Phylogeny refers to
A. A group of phyla
B. Life history of plants
C. Genetics of animals
D. Evolutionary history of species from its ancestors
Answer: D
Watch Video Solution
203. A marine dinosaur is

D. none of these

A. Pelycosaur B. Tyrannosaurus C. Ichthyosaur D. Pterosaur **Answer: C Watch Video Solution** 204. The major cause of evolution of genes and protein is A. Point mutation B. chromosomal aberration C. sexual reproduction D. gene duplication and divergence Answer: A **Watch Video Solution**

205. In the early earth, water and ${\cal C}{\cal O}_2$ were produced by the combination of ${\cal O}_2$ with

A. ammonia and methane

B. hydrogen

C. organic matter

D. sulphates and nitrates

Answer: A



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206. The cow breed of Karnataka is

A. Hallikar

B. Punganur

C. Gir

D. Sahiwal

Answer: A



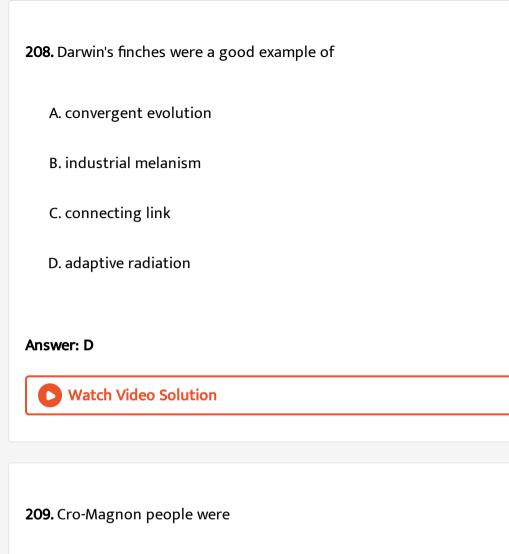
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207. The most apparent change during the evolutionary history of Homosapients is traced in

- A. Loss of body hair
- B. Walking upright
- C. Shortening of the jaws
- D. Remerkable increase in the brain size

Answer: D





A. Homo sapiens sapiens

C. Homo erectus

D. Homo habilis

B. Homo sapiens neanderthalensis

Answer: A



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210. In evolution of horse, two most important anatomical and morphological changes brought about are

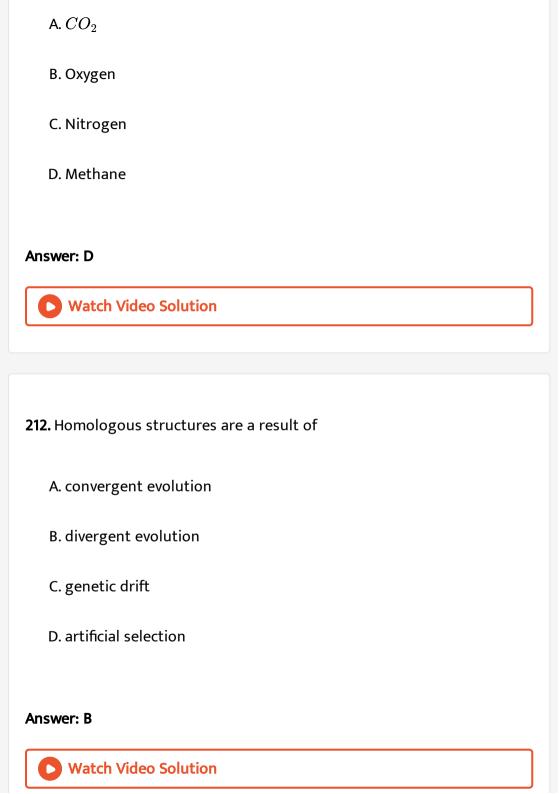
- A. Limbs and tail
- B. Limbs and height
- C. Limbs and teeth
- D. Teeth and tail

Answer: C



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211. The primitive atmosphere of earth contained water vapours, hydrogen, ammonia and



213. Which was the biggest land dinosaur?
A. Protoceratops
B. Camptosaurus
C. Tyrannosaurus rex
D. Ichthyosaur
Answer: C
Watch Video Solution
214. The brain capacityof Homo erectus was about
A. 650-800 c.c.
B. 900 c.c.
C. 1400 c.c.

. .

Watch Video Solution 215. which of the following is not considered as a mutagen ?	
215. which of the following is not considered as a mutagen ?	
215. which of the following is not considered as a mutagen ?	
A. UV radiation	
B. nuclear reaction	
C. 2-aminopurine	
D. lower temperature	
Answer: D	
Watch Video Solution	

A. autopolyploid B. triploid C. allopolyploid D. monoploid **Answer: C Watch Video Solution** 217. The important gas which was absent during the origin of life on Earth: A. oxygen gas B. hydrogen gas C. nitrogen gas D. carbon dioxide gas **Answer: A**

218. Maximum survival and reproductive capacity shown by a population under optimal environmental conditions is called:

A. carrying capacity

B. natality

C. biotic potential

D. vitality

Answer: C



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219. Mutations can be induced with

A. infra red radiations

B. IAA

D. gamma radiations
Answer: D
Watch Video Solution
220. "Good ozone" is found in:
A. mesosphere
B. troposphere
C. stratosphere
D. ionosphere
Answer: C
Watch Video Solution

C. ethylene

- **221.** Which one among the following is an example for homology?
 - A. Eye of octopus and mammals
 - B. Tuber of sweet potato and potato
 - C. Wings of butterfly and dolphins
 - D. Thorn and tendrils of Bougainvillea and Cucurbita

Answer: D



- **222.** Who proposed that the first form of life could have come from pre-existing non-living organic molecules ?
 - A. S.L. Miller
 - B. Oparin & Haldane
 - C. Charles Darwin
 - D. Alfred Wallace

Answer: B



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223. Lamarckism cannot explain

- A. webbed toes in aquatic birds
- B. weak muscles in the son of a wrestler
- C. long narrow and limbless body of snakes
- D. heterophylly

Answer: B



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224. Single step large mutation leading to speciation is also called

A. Founder's effect

B. Saltation C. branching descent D. natural selection

Answer: B



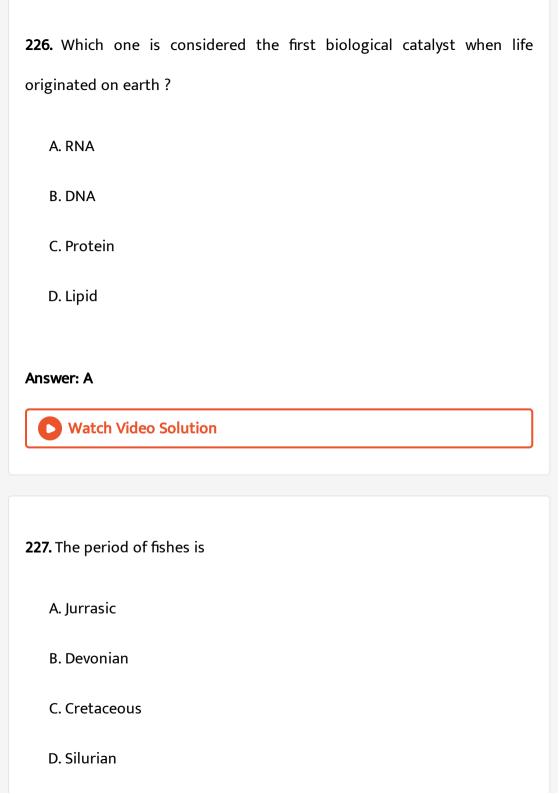
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225. Tendrils in plants are an example of

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

Answer: C





Answer: B



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228. Analogous structures are a result of

- A. Divergent evolution
- B. Convergent evolution
- C. Artificial selection
- D. Genetic drift

Answer: B



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229. Sudden change in the genome of an organism is

A. Genetic drift

- B. Gene frequency

 C. Mutation

 D. Population

 Answer: A

 Watch Video Solution

 230. In an area where DDT had been used
- **230.** In an area where DDT had been used extensively, the population of birds declined significantly because:
 - A. birds stopped laying eggs
 - B. earthworms in the area got eradicated
 - C. cobras were feeding exclusively on birds
 - D. many of the birds eggs laid, did not hatch

Answer: D



- 231. Which one of the following is a wrong statement?
 - A. Most of the forests have been lost in tropical areas
 - B. Ozone in upper part of atmosphere is harmful to animals
 - C. Greenhouse effect is a natural phenomenon
 - D. Eutrophication is a natural phenomenon in freshwater bodies

Answer: B



- **232.** 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. natural selection
 - C. migration

D. divergent evolution

Answer: A



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

A. Binocular vision

B. Increasing cranial capacity

C. Upright posture

D. Shortening of jaws

Answer: B



234. The idea of mutations was brought forth by

A. Hardy Weinberg, who worked on allele frequencies in a population

B. Charles Darwin, who observed a wide variety of organisms during sea voyaga

C. Hugo de Vries, who worked on evening primrose

D. Gregor Mendel, who worked on pisumsativum

Answer: C



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235. Read the following statements and choose the correct option

A. Increase in melanized moths after industrialization in Great Britain is a proof for natrual selection

B. When more individuals of a population acquire a mean character value,

it is called disruption

C. Changes in allelic frequency in a population will lead to Hardly

Weinberg equilibrium
D. Genetic drift changes the existing gene ot allelic frequency in future
generations
A. B alone is correct
B. D alone if correct
C. A and D alone are coorect
D. A and C alone are correct
Answer: D
Watch Video Solution
236. Match column I with column II and select the correct option from the

given codes. Column I Column II Saltation (i)Darwin (ii)Louis Pasteur Formation of life was preceded by chemical evolution

(iii)de Vries Reproductive fitness Life comes from pre-existing life

(iv)Oparin and Hale

- A. a) i c, ii d, iii a, iv b B. i-D, ii-C, iii-B, iv-A C. i-D, ii-B, iii-C, iv-A D. i-B, ii-C, iii-A, iv-D Answer: A **Watch Video Solution** 237. Which one of these was a flying dinosaur
 - A. Triceratops
 - B. Tyrannosaurus
 - C. Stegosaurus
 - D. Pteranodon

Answer: D

238. Sickle-cell anaemia is caused due to the substitution of:

A. Valine by glutamic acid at sixth position of alpha chain of heamoglobin

B. Valine by glutamic acid at sicth position of beta chain of haemoglobin

C. glutamic acid by valine at sixth position of alpha chain of haemoglobin

D. glutamic acid by valine at sixth position of deta chain of haemoglobin

Answer: D



- A. Chemicals and radiations which cause changes in the genetic material of a cell
- B. Various archaebacteria that produce methane
- C. Chemicals which react with ozone molecules and destroy them
- D. RNA molecules that infect plant and cause diseases

Answer: A



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- 240. The idea of mutation was brought forth by
 - A. Hugo de vries, who worked on evening primrose
 - B. Gregor Mendel, who worked on pisum sativum
 - C. Hardy Weinberg, who worked on allele frequencies in a population
 - D. Charles Darwin, who observed a wide variety of organisms during

sea voyage

Answer: A **Watch Video Solution** 241. Which of the following is a vestigial structure in man? A. Caecum B. Pinna of ear C. Wisdom tooth D. Muscles of glottis





Watch Video Solution

242. Which of the following statements is incorrect?

A. Wings of insects and bats are homologous

- B. Wings of insects and bats are analogous
- C. Wings of bats and birds are homologous
- D. Wings of insects and birds are analogous

Answer: A



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- 243. According of Darwin, the organic evolution is due to
 - A. Competition within closely ralated species
 - B. Reduced feeding efficiency in one species due to the presence of
 - C. Intraspecific competition

interfering species.

D. Interspecific competition

Answer: A



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

A. lack of mutation

B. lack of random mating

C. random mating

D. lack of migration

Answer: B



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

A. Random mating

B. Genetic load

C. Genetic flow
D. Genetic drift
Answer: D
Watch Video Solution
246. The process by which org

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

- A. None-random evolution
- B. Adaptive radiation
- C. Natural selection
- D. convergent evolution

Answer: D



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

- A. Analogous organs that have evolved due to convergent evolution.
- B. Analogous organs that have evolved due to divergent evolution.
- C. Homologous organs that have evolved due to convergent evolution.
- D. Homologous organs that have evolved due to divergent evolution.

Answer: A



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248. Which one of the following are analogous structures

- A. Flippers of Dolphin and Legs of Horse
- B. Wings of Bat and wings of Pigeon
- C. Gills of Prawn and Lungs of Man

D. Thorns of Bougainvillea and Tendrils of Cucurbita

Answer: B::C



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

- A. convergent evolution
- B. Analogous organs
- C. adaptive radiation
- D. Homologous organs

Answer: D



250. Which is the most common mechanism of genetic varisation in the population of a sexually-reproducing organism

- A. Chromosomal aberrations
- B. Genetic drift
- C. Recombination
- D. Transduction

Answer: C



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251. A population will not exist in Hardly-Weinberg equilbrium if

- A. there are no mutation
- B. there is no migration
- C. the population is large
- D. individuals mate selectively

Answer: D



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252. The wings of a bird and the wings of an insect are

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

Answer: B



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253. Industrial melanism is an example of

A. Neo Darwinism

B. Natural selection C. Mutation D. Neo Lamarckism **Answer: B Watch Video Solution** 254. Which of the following structures is homologus 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 **Watch Video Solution**

255. Following are the two statements regarding the origin of life:

- A. The earliest organisms that appeared on the earth were nongreen and presumably anaerobes.
- B. The first autotrophic organisms were the chemoautotrophs that never relesed oxygen.

Of the above statements which one of the 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



A. convergent evolution B. Shared ancestry C. Stabilizing selection D. divergent evolution Answer: A **Watch Video Solution** 257. In 1863 T.A Huxley mentioned in his book "Man's Place in Nature" that our closest relatives are A. old world Monkeys B. apes C. new World Monkeys D. prosimians **Answer: B**

258. In 1871, Charles Darwin described in his book "The Descent of Man" that

A. monkeys and apes had a common ancestor

B. apes and man had a common ancestor

C. prosimians and simians had common ancestor

D. monkey, apes and men had common ancestor

Answer: D



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259. Carolus Linnaeus, the Father of Taxonomy placed man among the

A. monkeys

B. apes

C. monkeys and Apes
D. prosimians
Answer: C
Watch Video Solution
260. The earliest site where human civilization and crop cultivation
started was presumably:
A. around capspian and mediterranean seas
B. around river Nile
C. chinese river valley
D. All of the above
Answer: A
Watch Video Solution

261. Proconsul (Dryopithecus africanus) was discovered East Africa by
A. Mayer
B. Raymond Dart
C. Leakey
D. Lewis
Answer: C
Watch Video Solution
262. Sivapithecus is another fossil ape from Sivalik hills of India. It was like that of
262. Sivapithecus is another fossil ape from Sivalik hills of India. It was like
262. Sivapithecus is another fossil ape from Sivalik hills of India. It was like that of
262. Sivapithecus is another fossil ape from Sivalik hills of India. It was like that of A. Ramapithecus

Answer: B Watch Video Solution 263. Dryopithecus existed in miocene and gave rise to A. Australopithecus B. Ramapithecus C. Homo erectus D. Homo sapiens neanderthalensis

Answer: B

Watch Video Solution

A. Ramapithecus

264. Name given to fossil homind of shivalik hills in India is

C. Pithecanthropus D. Sinanthropus Answer: A **Watch Video Solution** 265. The earliest or first fossil man know present is A. Homo habilis B. Homo erectus C. Australopithecus D. Ramapithecus Answer: D

B. Australopithecus

266. Fossils of Ramapithecus were first discovered by
A. Dubois
B. Ramond Dart
C. Edward Lewis
D. J.K. Fuhlort
Answer: C
Watch Video Solution
267. Fossils of Kenyapithecus were discovered by
A. Robert Broom
B. Prof. Raymond Dart
C. L.S.B. Leakey
D. Mary Leakey

Answer: C



268. Fossils of kenyapithecus was found in kenya and Africa, which was similar to

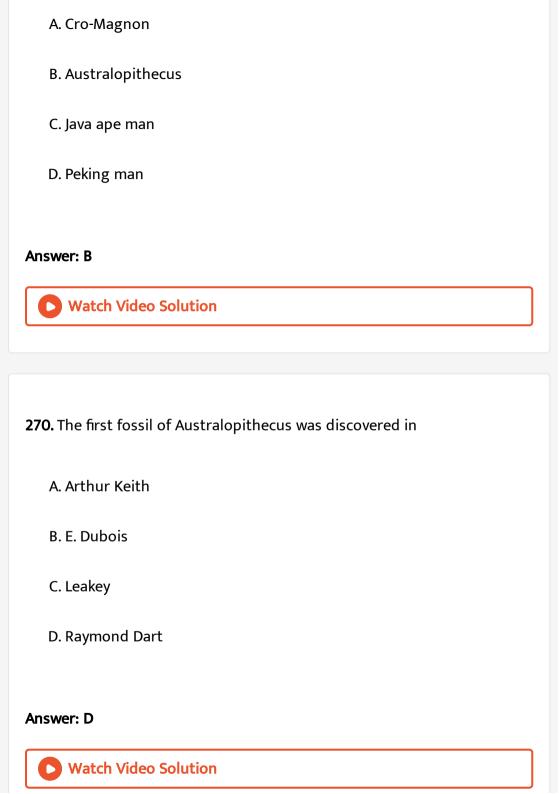
- A. Sivapithecus
- B. Ramapithecus
- C. Sinanthropus
- D. Homo sapiens

Answer: B



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269. Which one of the following ancestors of man first time showed bipedal movement?



271. Nutritionally Australopithecus was A. carnivorous B. omnivorous C. herbivorous D. none of these Answer: C **Watch Video Solution** 272. Australopithecus africanus, the africa apeman, gave rise to A. Homo habilis B. Homo erectus

C. Homo sapiens

D. Homo sapiens sapiens

Answer: A



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273. The cranial capacity of Australopithecus was about 500 cc.

Australopithecus existed in

A. miocene

B. Pliocene

C. pleistocene

D. both pliocene and pleistocene

Answer: D



274. Brain capacity of Homo habilis was: A. 500 to 600 CC B. 680 to 720 CC C. 1200 to 1400 CC D. 1500 to 1600 **Answer: B** Watch Video Solution 275. The cranial capacity of Homo habilis was about 700 cc. Who discovered its fossils and called Homo habilis as "handy amn"? A. Robert Brown B. Mary and Louis Leakey C. Dubois

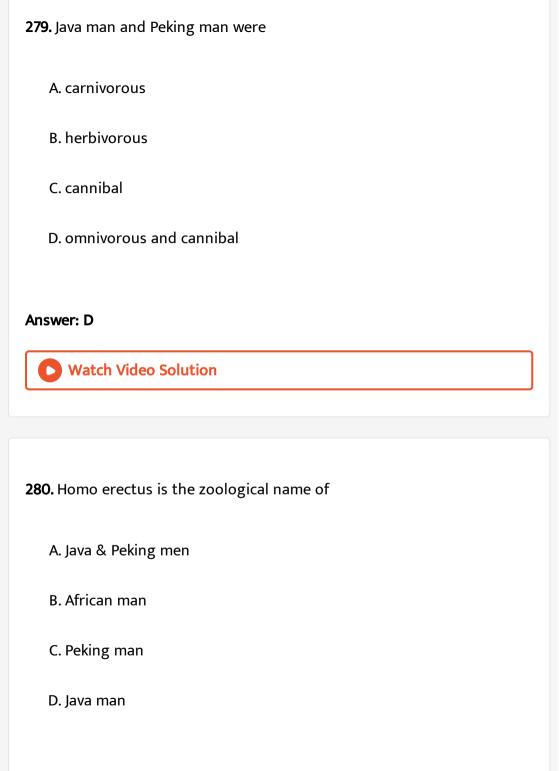
D. Mayer

Answer: B Watch Video Solution 276. Homo habilis originated in A. miocene B. oligocene C. pleistocene D. holocene **Answer: C** Watch Video Solution 277. Homo habilis gave rise to A. Neanderthal man

- B. Homo erectus C. Homo sapiens fossilis D. Homo sapiens **Answer: B Watch Video Solution** 278. Java ape man was named by Dubois as A. Pithecanthropus rectus B. Homo erectus
 - C. Homo erectus erectus
 - D. none of the above

Answer: A





Answer: A **Watch Video Solution** 281. Which one has the smallest cranial cavity? A. Orangutan B. Gorilla C. Chimpanzee D. Rhesus monkey **Answer: D Watch Video Solution** 282. Homo erectus differed from Cro-Magnon Man in A. having protruded jaws

- B. having receding jaws C. being able to draw pictures of animals D. being able to make well-fromed tools and weapons Answer: A



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- 283. Fire was first used for protection and cooking by
 - A. Java ape man
 - B. Neanderthal man
 - C. Cro-Magnon man
 - D. Peking Man

Answer: A



284. The noticeable difference of Peking man from Java man was its
A. large cranial cavity
B. small cranial cavity
C. longer arms
D. longer legs
Answer: A
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285. The cranial capacity of Java ape man was about
A. 1450 cc
B. 900 cc
C. 1660 cc
D. 1075 cc.

Answer: B



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286. Java ape man is considered to have existed in

A. Java only

B. China only

C. Africa only

D. Java, China and Africa

Answer: D

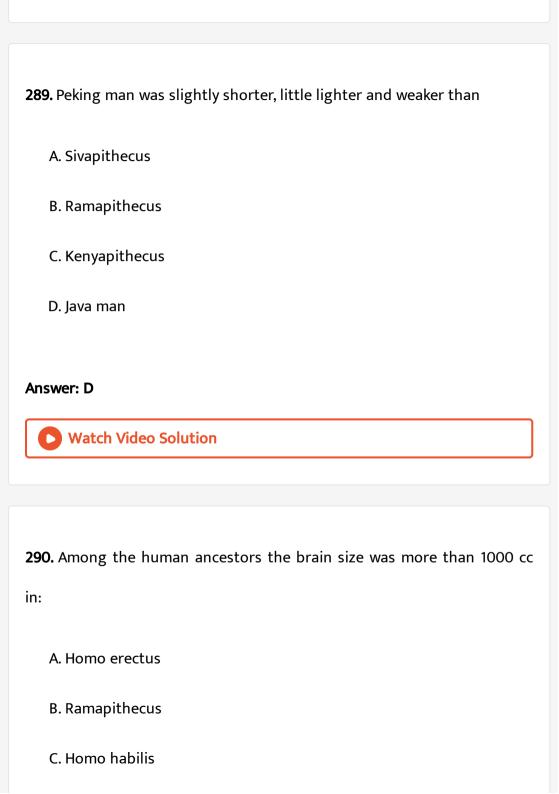


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287. Fossils of Peking man were found from caves near peking in china by

Davidson Black. He named them

A. Homo erectus pekinensis B. Sinathropus pekinensis C. Homo erectus D. Homo erectus erectus **Answer: B Watch Video Solution** 288. Fossils of Peking man were renamed Homo erectus pekinensis by A. Dubois B. Mayr C. Louis Leakey D. Fuhlrott Answer: B Watch Video Solution



D. Homo neandrthalensis
Answer: D
Watch Video Solution
291. Cranial capacity of peking man was
A. 700 cc
В. 14 сс
C. 1075 cc
D. 16 cc
Answer: C
Watch Video Solution
202 Ancestor of man who first stood erect was :

A. Java man B. Australopithecus C. Peking man D. Cro-Magnon man Answer: A **Watch Video Solution** 293. C. Fuhlrott (1856) made an important discovery in evolution and he discovered the first human fossil of A. Neanderthal man B. Cro-Magnon man C. Classification of man D. Characters of modern apes Answer: A



294. Neanderthal man:

- A. resembled modern man
- B. often had a somewhat larger brain than modern man
- C. was culturally more advanced than modern man
- D. had a much smaller brain than that of modern man

Answer: B



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295. Which of these ancestors of modern man presumably lived upon

Earth during late Pleistocene?

- A. Australopithecus
- B. Zinjanthropus

D. Atlantic man
Answer: C
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296. Fossils of Neanderthal were first obtained from Neander Valley by C.
Fuhlrott (1856) This valley is in
A. France
B. Australia
C. Germany
D. India
Answer: C
Watch Video Solution

C. Neanderthal man

297. Which of the following had the feeling of worship and used to bury clothes with dead bodies?

- A. Neanderthal man
- B. Peking man
- C. Java man
- D. African ape man

Answer: A



- **298.** The cranial capacity of Neanderthal man was between
 - A. 1100-1500 cc
 - B. 1200-1400 cc
 - C. 1300-1600 cc
 - D. 1000-1300 cc

Answer: A



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299. Which of the following statement is correct about Neanderthal man?

- A. He had smaller brain than modern man
- B. He could not walk up right
- C. He was cave dweller, had humped back and fashioned animal skin to form clothing
- D. He did not use fire for illuminating and heating the caves

Answer: C



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300. Among the following, the cranial capacity was highest in

A. Java-ape man B. Neanderthal man C. Cro-Magnon man D. Peking man **Answer: C Watch Video Solution** 301. Neanderthal man differs from modern man in A. Semierect posture B. Receding jaws C. No chin D. All of these **Answer: D** Watch Video Solution

302. Fossils of Cro-Magnon man were first discovered in 1868 from Magnon rocks by Mac Gregor. These rocks are in

A. Canada

B. Japan

C. France

D. Austria

Answer: C



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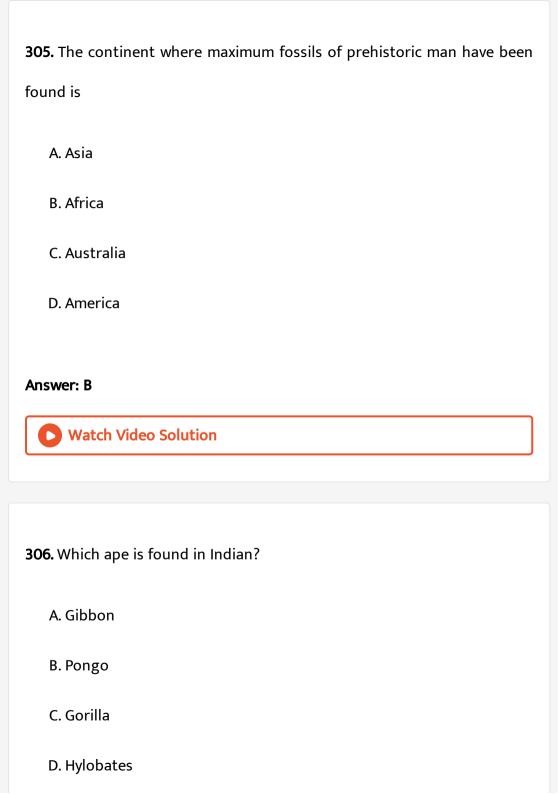
303. Which of the following fossil men was expert in making tools, weapons and paintings ?

A. Java ape man

B. Peking man

D. Cro-Magnon man
Answer: D
Watch Video Solution
304. Cranial capacity of Cro-magnon man was :
A. 500 cc
В. 1075 сс
C. 1450 cc
D. 1600 cc
Answer: D
Watch Video Solution

C. Neanderthal man



Answer: D



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307. Which of the following is true for 'Homo sapiens'

- A. protruded mouth
- B. cranial capacity of 1250 c.c.
- C. omnivorous
- D. developed chin

Answer: D



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308. Character of man which is most significant from evolution point of view

A. foramen magnum shifted forward B. larger cranial capacity C. face orthognathous D. all of them **Answer: D Watch Video Solution** 309. The modern man evolved A. 10,000 years ago B. 25,000 years ago C. 50,000 years ago D. 2,50,000 years ago Answer: B **Watch Video Solution**

310. Besides fossils, the common ancestry of great apes and man is shown by nearly similar

A. chromosome numer

B. DNA content

C. banding pattern of chromosomes

D. all the above

Answer: D



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311. Study of origin and development of humans is called

A. Eugenics

B. Euthenics

C. Ethnology

An arrang D
Answer: D
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312. Which is correct about man ?
A. Man is a social and cultured animal
B. He has opposable thumbs
C. He has foramen magnum below the brain box.
D. All of the above
Answer: D
Watch Video Solution
313. Which one is irrelevant to evolution of man?

D. Anthropology

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

Answer: D



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314. Correct sequence of stages in evolution of modern Man/Homo sapiens sapiens is

- A. Australopithecus, Neanderthal Man, Cro-Magnon Man, Homo erectus, Modern Man
- B. Australopithecus, Homo Erectus, Neanderthal Man, Cro-Magnon

Man, Modern Man

C. Neanderthal Man, Australopithecus, Cro-Magnon Man, Homo erectus, Modern Man. D. Homo erectus, Australopithecus, Neanderthal Man, Cro-Magnon Man, Modern Man.

Answer: B



315. Which is the most recent in human evolution?

A. Mesolithic

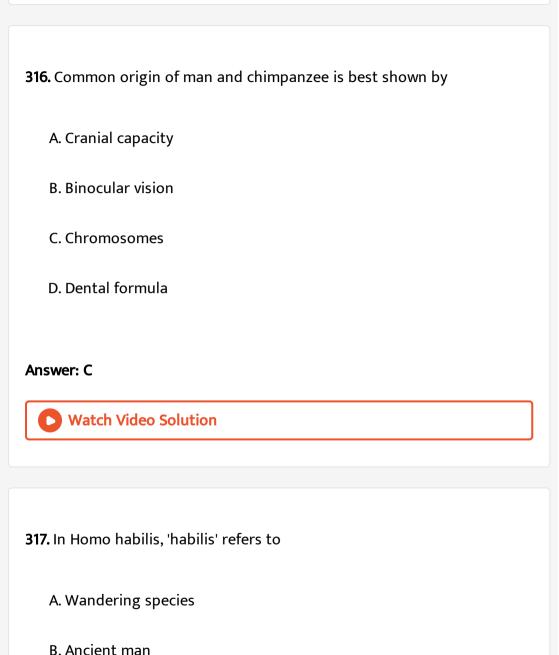
B. Upper palaeolithic

C. Neolithic

D. Middle Palaeolithin

Answer: C





C. Modern man

D. 1001-maker
Answer: D
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318. Cranial capacity is minimum in
A. Chimpanzee
B. Goprilla
C. Rhesus monkey
D. Orangutan
Answer: C
Watch Video Solution
319. Which are not found in India ?

A. New world monkeys B. Old world monkeys C. Apes D. Both (2) and (3) Answer: A **Watch Video Solution** 320. The modern man differs from the apes in: A. protruding eyes B. spare body hair C. wearing of clothes D. arms shorter than legs **Answer: D Watch Video Solution**

A. Dryopithecus B. Homo erectus C. Australopithecus D. Homo neanderthalensis Answer: A Watch Video Solution

322. The hominid fossil 'Lucy' belongs to

A. Australopithecus boisei

B. Australopithecus robustus

C. Australopithecus afarensis

D. Australopithecus africanus
Answer: C
Watch Video Solution
323. 'Tauimuoaby' was discovered by
A. C. Fuhlrott
B. Mac Gregor
C. Raymond Dart
D. Donald Johanson
Answer: C
Watch Video Solution
324. The tailless primate is:

B. Lemur C. African baboon D. Spider monkey Answer: A **Watch Video Solution** 325. Which is direct ancestor of Homo sapiens? A. Cro-Magnon B. Pre-Neanderthal C. Neanderthal D. None of teses Answer: A Watch Video Solution

A. Loris

326. The primate which existed 15 mya was
A. Homo habilis
B. Australopithecus
C. Ramapithecus
D. Homo erectus
Answer: C
Watch Video Solution
327. Which one of the following is the most primitive ancestor of man?
A. Homo habilis
B. Australophecus
C. Ramapithecus punjabicus

D. Homo neanderthalensis

Answer: C



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328. 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



329. The extinct human who lived 100000 to 40000 years ago, in Europe, Aisa 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-magnan human
- D. Ramapithecus

Answer: B



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330. Homo erectus evolved during

- A. oligocene
- B. pliocene

D. miocene
Answer: C
Watch Video Solution
331. Genetic drift operates in
A. small isolated population
B. large isolated population
C. non-reproductive population
D. slow reproductive population
Answer: A

C. pleistocene

332. The chronological order of human evolution from early to the recent

is:

A. Australopithecus ightarrow Ramapithecus ightarrow Homo habilis ightarrow Homo

erectus

B. Ramapithecus $\;
ightarrow\;$ Australopithecus $\;
ightarrow\;$ Homo habilis $\;
ightarrow\;$ Homo

erectus

C. Ramapithecus ightarrow Homo habilis ightarrow Australopithecus ightarrow Homo

erectus

D. Australopithecus ightarrow Homo habilis ightarrow Ramapithecus ightarrow Homo erectus

Answer: B



333. 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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334. Artificial selection to obtain cows yielding higher milk output represents

- A. Stabilizing selection as it stabilizes a character in the population.
- B. Directional as it pushes the mean of a character in one direction
- C. Disruptive as it splits the population into the one yielding higher output and the other lower output
- D. Stabilizing followed by disruptive as stabilizes the population to produce high yielding cows.

Answer: B



- 335. The term for similarity in organ structure seen in great diversity is
 - A. Adaptive radiation
 - B. Convergent evolution
 - C. Analogy
 - D. Homology

Answer: D

