

Darwin and Neo-Darwinism

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22 Tuesday 1 The greatest weakness of Darwin's theory was his failure to give a satisfactory explanation for -

- (i) Overproduction
- (ii) Struggle for existence
- (iii) Variations and survival of the fittest

Ans 22 - (iii)

23 Theory of pangenesis was proposed -

- (i) Lamarck
- (ii) Darwin
- (iii) Griffith
- (iv) Mendel

Ans 23 - (ii)

24 24 The book "The origin of species" by means of natural selection was published on

- (i) November 24, 1859
- (ii) December 25, 1869
- (iii) January 26, 1870
- (iv) February 27, 1879

Ans 24 - (i)

25 One of the revolutionary concepts in Biology was proposed by Charles Darwin in the "Origin of Species" and has been discussed in -

- (i) Germplasm theory
- (ii) Use and disuse of organs
- (iii) Natural selection leading to survival of the fittest.
- (iv) Gene mutation

Ans 25 - (iii)

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26 Charles Darwin toured in a ship for 5 years —

- (i) Vikramt (ii) Phillips
- (iii) Alexander (iv) Beagle

Ans 26 - (iv)

27 Darwin gave the theory of —

- (i) survival of the fittest
- (ii) Natural Selection (iii) Mutation
- (iv) Descent with modifications.

Ans 27 - (ii)

28 The idea of "Survival of the fittest" was ~~given by~~ ^{responsible for} —

- (i) Darwin (ii) Herbert Spencer
- (iii) Malthus (iv) Lyell

Ans 28 - (ii)

29 According to Neo-Darwinism theory which of the following is responsible for the origin of new species.

- (i) Mutations (ii) Useful Variations
- (iii) Mutations together with natural selection
- (iv) Hybridization.

Ans 29 - (iii)

30 Industrial melanism is due to

- (i) Lamarck (ii) Neo-Lamarckism
- (iii) Darwinism (iv) Neo Darwinism

Ans 30 - (iv)

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3 In formulating the theory of evolution by natural selection Darwin was greatly influenced by—

- (i) Mutations of Hugo de Vries.
- (ii) Lamarck's acquired characters.
- (iii) Environmental factors
- (iv) Malthus idea of population control.

Ans 32 - (iv)

32 The idea of Natural selection as the fundamental process of evolution was changed by—

- (i) Independently by Charles Darwin & Alfred Russel Wallace in 1858
- (ii) By Charles Darwin 1858
- (iii) By Alfred Russel Wallace in 1858
- (iv) Independently by Charles Darwin & Alfred Russel Wallace in 1855

Ans 32 - (i)

33 On which of the following presumption the Darwin's theory of evolution is based—

- (i) Variation & their inheritance
- (ii) Use & disuse of their parts
- (iii) Inheritance of acquired characters
- (iv) Struggle for existence.

Ans 33 - (i)

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34. The conclusion of Darwin is correct follows —

- (i) Natural Selection
- (ii) Hereditary transmission
- (iii) ~~Survival~~ ^{struggle for} existence in which
- (iv) Survival of the fittest.

- (a) i, ii, iii, iv
- (b) iv, iii, ii, i
- (c) iii, ii, iv, i
- (d) iv, iii, ii, i

Ans 34 - (d)