

# Darwin and Neo-Darwinism

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Q13 27 one major criticism against Darwin's theory of evolution is that —  
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- (i) It does not explain presence of vestigial organs found in many mammals.
- (ii) It overestimates the reproductive capacity of organisms.
- (iii) It does not take into account variations with heredity.
- (iv) It presupposes that the environment upon earth has been changing through the ~~geol.~~ ages.

Ans 13 - (iii)

Q14 According to Neo-Darwinism which one is responsible for evolution of organism —

- (i) Mutations
- (ii) Natural selection
- (iii) Both of these
- (iv) None of these

Ans 14 - (iii)

Q15 Natural selection theory of Darwin is objected to because it —

- (i) stresses upon slow & small variations
- (ii) stresses upon interspecific competition
- (iii) explains that natural calamities take a heavy annular full of lines.
- (iv) explains adaptation of certain inherited characters.

Ans 15 - (i)

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Q10 In our modern understanding of natural selection the fittest individuals are those who —

- (i) Produce many offsprings, but a few survive upto sexual maturity
- (ii) leave very many living descendants
- (iii) are the best adapted to the environment.
- (iv) are the best equipped to cope with the special environment conditions

Ans 16 - (iii)

Q12 The theory of natural selection states that —

- (i) Heritable Variations arise due to changes on gene complex.
- (ii) environment has a role in evolution.
- (iii) Natural selection acts on favourable variations which appear among individuals.
- (iv) acquired characters during life time of an individual are inherited.

Ans 17 - (iii)

Sunday 29

Q18 The fact that no two organisms are precisely alike became the first principle of —

- (i) Lamarckism
- (ii) Darwinism
- (iii) Mendelism
- (iv) all of the above.

Ans 19 - (ii)

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Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed Thu

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30

Monday

19 Darwin relied on one of the following changes his theory of evolution —

- (i) Discontinuous or ~~continuous~~ Variations.
- (ii) Sports
- (iii) Fluctuating or continuous Variations.
- (iv) Continuous & discontinuous Variation

Ans 19 - (iii)

20 The theory of Natural Selection. Proposed by Darwin to explain organic evolution was based on —

- (i) modification of organs through use & disuse
- (ii) Prodigality in reproduction. struggle for existence & survival of the fittest.
- (iii) Appearance of sudden large variations, inheritance & survival of those having these variations.

Ans 20 - (ii)

21 Theory of Pangenesis was proposed —

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

Ans 21 - (iii)