

LAMARCKISM & NEO-LAMARCKISM

2001

APRIL

20 The use & disuse principle of evolution or theory of inheritance of acquired characters was proposed by

- (i) Hugo de Vries
- (ii) Darwin
- (iii) Weismann
- (iv) Lamarck

Ans 14 - (iv)

25 Key point to Lamarck's view about organic evolution is that every off spring —

- (i) Is similar to its parents
- (ii) Inherits characters acquired by the parental generation
- (iii) Shows struggle for existence
- (iv) Acquires phylogeny in its ontogeny

Ans 15 - (ii)

10 A scientist kept 72 generations of *Drosophila* in darkness. Even after that the first flies had normal eyes. This disapproved the theory of

- (i) Natural selection
- (ii) Acquired characters
- (iii) Use & disuse
- (iv) Synthetic theory

Ans 16 - (ii)

17 The present giraffe has a long neck as compared to its ancestors. It could be due to —

- (i) Natural selection
- (ii) Isolation
- (iii) Speciation
- (iv) Inheritance of acquired characters —

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Q18 Lamarck's theory on organic evolution 21

Saturday

is usually known as theory of

- (i) Natural selection
- (ii) Inheritance of acquired characters
- (iii) Continuity of germplasm
- (iv) Decent with change.

Ans 18 - (ii)

Q19 Lamarck's theory was based on -

- (i) Linked characters
- (ii) Use & disuse
- (iii) Natural selection
- (iv) Genetic recombination

Ans 19 - (ii)

Q20 "The strong muscle of the arms of black

smith is not inherited by his son" - This

statement confirms to theory of -

- (i) Lamarck
- (ii) Hugo DeVries
- (iii) Darwin
- (iv) Morgan

Ans 20 - (i)

Q21 The key point of Lamarck's theory is -

- (i) Natural selection
- (ii) Inheritance of acquired characters
- (iii) Survival of the fittest
- (iv) Struggle for existence.

Sunday 22

Ans 21 - (ii)