

Heredity and Evolution

Q .1) Multiple choice questions

(1 marks)

1. The name of Darwin's famous book is
a) Natural Selection b) Mutation
c) Fall of Sparrow d) Origin of Species

2. George Beadle and Edward Tatum proved that protein production happens through
a) Genes b) Muscles c) Tissues d) Amino Acids

3. The process of sending the information from the DNA strand to the RNA strand is Called.....
a) Transfer b) Translation c) Transcription d) Mutation

4. Evolution means.....
a) Development b) Swapping c) Transcription d) Differentiation

5. The residual evidence of Evolution can be seen in a human body in the form of
a) Air sacs b) Appendix c) Liver d) Heart

6. The age of different types of matter is published in the research journal called
a) The Study of Evolution b) Origin of Species c) Radio d)
Encyclopedia

7. Approximately 50 thousand years ago..... came into existence

- a) Cro-Magnon man
- b) Neanderthal man
- c) Java man
- d) Ramapithecus man

8. is a link between Annelida and Arthropoda

- a) Platypus
- b) Peripatus
- c) Lungfish
- d) Whale

Q.2) Find the odd man out

- 1) Transcription - Translation - Transfer - Mutation
- 2) Position of the eyes - Shape of the bones of our hands - Nostrils
- Structure of the ear
- 3) Configuration of leaf veins - Leaf size - Foliage - Leaf structure
- 4) Human hands - Wings of the cockroach - Cat's paw - Whale's
wings

Q.3) Find the co-relation

- 1) mRNA: Transcription :: tRNA :
- 2) Peripatus: Connecting link :: Appendix:
- 3) Open Circulation system : Arthropoda:: Thin subdermal and
posterior:
- 4) Survival of the fittest : Darwin :: Acquired features :
- 5) Wisdom tooth : Vestigial organ:: Lung fish :

Q. 4) Write the definition for the following

- 1) Heredity
- 2) Transcription
- 3) Translation
- 4) Transfer
- 5) Mutation
- 6) Species

Q. 5) Explain the difference

- 1) Transcription and Translation
- 2) Ape and Human

Q. 6) Write concept-based answers for the following questions

- 1) 'Evidence of Evolution' - Draw a diagram based on this concept.
Write examples for any one of the evidence.

Q.7) Answer the following questions

- 1) Elaborate with examples on the importance of physiological evidence in evolution.
- 2) Explain the criticism against Darwin's theory.