

Name: _____	Subject: Biology	Class: 12 th	Time: 80 minutes	Total Marks:	40
Chapter No.24		MJDexpert.com		Obtained marks	

Note: Please attempt any 10 short questions from Question 2. Also, attempt both parts of Question 3. Cutting and removal of any content is strictly prohibited.

Q#1 Encircle the Correct Option (10 x 1 = 10)

1. The relationship between an insect and a flowering plant is an example of:

- A) Parasitism B) Predation C) Mutualism D) Commensalism

2. The animal that is captured and eaten is referred to as:

- A) Predator B) Prey C) Host D) Parasite

3. A predator is categorized as a:

- A) Consumer B) Producer C) Decomposer D) Reducer

4. Lichens are an example of:

- A) Parasitism B) Predation C) Mutualism D) None

5. A group of similar organisms that coexist in the same area and time period is called:

- A) Population B) Community C) Species D) Individual

6. Organisms that can produce their own food are known as:

- A) Consumers B) Producers C) Decomposers D) None

7. Which of the following is the correct statement?

- A) Abiotic components include all living organisms
 B) Abiotic components consist of all non-living elements
 C) Biotic components consist of all non-living elements
 D) Both A and C

8. Organisms that cannot produce their own food but rely on others for nourishment are called:

- A) Consumers B) Producers C) Decomposers D) Reducers

9. Neo-Darwinism was developed in the:

- A) 1940s B) 1930s C) 1948s D) 1840s

10. The book "The Origin of Species" was written by:

- A) Linnaeus B) Darwin C) Lamarck D) Wallace

Q #2 Short Questions (2 x 10 = 20)

1. What is the concept of modern synthesis or Neo-Darwinism?
2. What are hydrothermal vents?
3. Define population in biological terms.
4. How do evolutionary relationships reflect in DNA and proteins?
5. List the evidence supporting evolution.
6. How does biogeography provide evidence for evolution?
7. What is genotype frequency?
8. Explain the endosymbiont hypothesis.
9. How does comparative anatomy serve as evidence for evolution?
10. Define gene pool and its significance.

Q #3 Long Questions (2 x 5 = 10)

1. Describe the evolutionary process from prokaryotes to eukaryotes.
2. Discuss various types of evidence supporting the theory of evolution.