

# Generated Question Paper

## Question 1

- Biology Exam Paper
  - Instructions:
  - Choose the correct answer for each question.
  - Each question has four options (A, B, C, D).
  - Write the corresponding letter of your answer in the space provided.
  - Do not write anything else on the answer sheet.
  - Time:\*\* 60 minutes
  - Total Marks:\*\* 100
1. What is the primary function of the mitochondria in a cell?  
A) To synthesize proteins  
B) To store genetic information  
C) To generate energy for the cell  
D) To regulate cell growth and division
  2. Which of the following is an example of a symbiotic relationship?  
A) Predator and prey  
B) Parasite and host  
C) Clownfish and sea anemone  
D) Competing species for resources
  3. What is the process by which plants convert light energy into chemical energy?  
A) Respiration  
B) Photosynthesis  
C) Fermentation  
D) Mitosis
  4. Which of the following structures is responsible for the movement of materials across the cell membrane?  
A) Cell wall  
B) Cell membrane  
C) Cilia  
D) Flagella
  5. What is the term for the "building blocks of life"?  
A) Cells  
B) Molecules  
C) Tissues  
D) Organs
  6. Which of the following is an example of a genetic disorder caused by a chromosomal abnormality?  
A) Cystic fibrosis  
B) Down syndrome  
C) Sickle cell anemia  
D) Hemophilia
  7. What is the primary function of the nervous system?  
A) To coordinate and regulate body functions  
B) To transmit and process information  
C) To maintain homeostasis

D) To produce hormones

8. Which of the following is an example of a type of cellular transport?

A) Active transport

B) Passive transport

C) Osmosis

D) Diffusion

9. What is the term for the process by which an organism's genetic information is passed from one generation to the next?

A) Mutation

B) Genetic drift

C) Natural selection

D) Heredity

10. Which of the following is an example of a type of mutation?

A) Point mutation

B) Frameshift mutation

C) Chromosomal mutation

D) Gene mutation