

# BIOLOGY Exam Paper

## Subjective Questions

1. Explain the process of mitosis and its significance in cell division.
2. Describe the structure and function of the human heart.
3. What is the process of photosynthesis and why is it important for plants?
4. Explain the concept of natural selection and its role in evolution.
5. Describe the role of enzymes in biochemical reactions.
6. What are the different types of immunity in humans? Explain each type.
7. Discuss the structure and function of the cell membrane.
8. What is the difference between aerobic and anaerobic respiration?
9. Explain the process of DNA replication and its importance in cell division.
10. What is the role of hormones in the human body?

## MCQ Questions

11. What is the powerhouse of the cell?  
A: Nucleus.style="color:red" B: Mitochondria.style="color:red" C: Ribosome.style="color:red" D: Golgi Apparatus
12. Which part of the brain controls balance?  
A: Cerebellum.style="color:red" B: Cerebrum.style="color:red" C: Medulla Oblongata.style="color:red" D: Pons
13. What is the process of photosynthesis?  
A: Respiration.style="color:red" B: Digestion.style="color:red" C: Light Energy to Chemical Energy.style="color:red" D: Fermentation
14. Which blood type is the universal donor?  
A: AB.style="color:red" B: O.style="color:red" C: A.style="color:red" D: B
15. What is the function of red blood cells?  
A: Fight Infection.style="color:red" B: Carry Oxygen.style="color:red" C: Regulate Hormones.style="color:red" D: Digest Food

