

Mid-West University

Examinations Management Office

Final Examinations -2081

Level: Bachelors/B.Sc. Environmental Science /Semester: II F. M: 60  
Time: 3hrs. P. M: 30  
Subject: Evolutionary Biology (ENV 424)

*Candidates are required to give their answers as far as practicable. The figures in the margin indicate full marks.*

**Group A**

Attempt ANY TWO Questions in Detail: [2x10=20]

1. Describe Theory of Natural Selection with suitable examples.
2. Elaborate the concept of Adaptive radiation.

**Or**

What is Carbon dating? Explain its technique.

**Group B**

Attempt ANY FOUR Questions in Brief: [4x5=20]

3. Describe types of Speciation.
4. Explain causes of Microevolution.
5. Write a short note on Jurassic Period.
6. Describe Archean Eon.

**Or**

Write short note on Isolation.

**Group C**

Attempt ANY TEN Questions in Short: [10x2=20]

- a) Define Paleontology and Organic evolution
- b) What is role of genetic mutation in evolution?
- c) Define half-life? What is half-life of Potassium?
- d) Write division of Mesozoic Era.
- e) What are drawbacks of Lamarckism?
- f) Define Modern Synthetic Theory of evolution.
- g) What is Coevolution? Write its types.
- h) Enlist the causes of Macroevolution?
- i) What type of fossils can be found in nature?
- j) What are important features of Quaternary period?
- k) Define Stromatolites.
- l) What is genetic drift? Give an example.

**THE END**