

VU MEDICAL ZONE

ZOO 503 CURRENT FINAL TERMS

SPRING 2020

ZOO503 Zoogeography and Paleontology

Question No : 1 of 50

Fossils in fold belts are, Except

Answer (Please select your correct option)

☐ Metamorphosed

☐ Tectonized

☒ In Excellent Shape

☐ Having jumbled structure

Answer solved by Amaan Khan
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Email: maniamaan2@gmail.com

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Question Summary: 1 2 3 4

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ZOO503 Zoogeography and Paleontology

Question No : 2 of 50

The current extinction crisis is sometimes called the ".....".

Answer (Please select your correct option)

☐ Fourth extinction

☐ Fifth extinction

☒ Sixth extinction

☐ Seventh extinction

Answer solved by Amaan Khan
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Email: maniamaan2@gmail.com

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2

Question Sun

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VU MEDICAL ZONE

ZOO503 Zoogeography and Paleontology

Question No : 3 of 50

The Parazoan Body Plan is seen in?

Answer (Please select your correct option)

☐ Protozoan

☐ Metazoan

☒ Sponges

☐ Cnidarians

Answer solved by Amaan Khan
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3

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ZOO503 Zoogeography and Paleontology

Question No : 4 of 50

The "belly-footed" mollusks are

Answer (Please select your correct option)

☒ Gastropods

☐ Bivalves

☐ Cephalopods

☐ Mollusks

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Question Summary

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ZOO503 Zoogeography and Paleontology

Question No : 5 of 50

Water vascular system is presents in

Answer (Please select your correct option)

☐ Hemichordates

☒ Echinoderms

☐ Chordates

☐ Mollusks

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Question Sun

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ZOO503 Zoogeography and Paleontology

Question No : 6 of 50

The first vertebrates had a

Answer (Please select your correct option)

☐ Bony skeleton

☐ Chitinous skeleton.

☐ Cartilaginous skeleton.

☐ Hydrostatic skeleton

Answer solved by Amaan Khan
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ZOO503 Zoogeography and Paleontology

Question No : 7 of 50

The type of Jawless fishes, Ostracoderm were jawless, generally armored and had their heyday in the

Answer (Please select your correct option)

☐ Silurian

☒ Devonian

☐ Ordovician

☐ Permian

Answer solved by Amaan Khan

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Yes

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ZOO503 Zoogeography and Paleontology

Question No : 8 of 50

Oldest known bird fossil was found in Sediments

Answer (Please select your correct option)

☒ Upper Jurassic

Answer solved by Amaan Khan

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☐ Lower Jurassic

☐ Upper Devonian

☐ Lower Devonian

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8

Question Sum

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ZOO503 Zoogeography and Paleontology

Question No : 9 of 50

The Oldest human was found is approximately livedago?

Answer (Please select your correct option)

☒ 6 Ma

☐ 8 Ma

☐ 3 Ma

☐ 2 Ma

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Question Summary : (Attempted Question)

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ZOO503 Zoogeography and Paleontology

Question No : 18 of 58

_____ are the observations of the appearance and disappearance of species?

Answer (Please select your correct option)

☒ Patterns

☐ Processes

☐ Patterns and processes

☐ None of the given options

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10

Question Summary : (Attempted Question)

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ZOO503 Zoogeography and Paleontology

Question No : 11 of 50

Which scientist Translated Cuvier's ideas into English in 1813?

Answer (Please select your correct option)

☐ Jean-Baptiste Lamarck

☐ Georges Cuvier

☐ Geoffroy St Hilaire

☒ Robert Jameson

Answer solved by Amaan Khan
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Question Summary : (Attempted Question)

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ZOO503 Zoogeography and Paleontology

Question No : 12 of 50

Marks: 1 (Budgeted Time)

_____ Argues that all of the areas connected by one of these tracks had originally formed a single, continuous area that was inhabited by the groups concerned

Answer (Please select your correct option)

☐ Holobiogeography

☒ Panbiogeography

☐ Monobiogeography

☐ Unobiogeography

Answer solved by Amaan Khan

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12



Question Summary : (Attempted Question)

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00503 Zoogeography and Paleontology

Question No : 13 of 58 Marks: 1 (Budgeted Time Min)

Biggs used the patterns of endemism of coastal faunas to identify locations where there appears to be a zone of unusually rapid faunal change, and then used this to distinguish _____ zoogeographical regions

Answer [Please select your correct option]

20 ☐

21 ☒ Answer solved by Amaan Khan
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25 ☐

29 ☐

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13

Question Summary : (Attempted Question)

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ZOO503 Zoogeography and Paleontology

Question No : 14 of 50 Marks: 1 (Budd)

The sum of all the niche requirements under ideal conditions when the species is given unimpeded access to resources is called

Answer (Please select your correct option)

☒ Fundamental Niche

☐ Summational Niche

☐ Basal Niche

☐ None of the Given options

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14

Question Summary : (Attempted Question)

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ZOO503 Zoogeography and Paleontology

Question No : 15 of 50

Marks: 1 (

_____, noted that the range boundaries of Amazonian birds seemed to coincide with the pattern of the rivers

Answer (Please select your correct option)

☐ Charles Darwin

☒ Alfred Wallace

☐ Cuvier

☐ Edward Burnett Tylor

Answer solved by Amaan Khan
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15

Question Summary : (Attempted Question)

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ZOO503 Zoogeography and Paleontology

Question No : 16 of 50 Marks: 1 (Budgeted Time Min)

Geological studies of New Caledonia show that the island was submerged for long periods in the Paleocene-Eocene, so that the island was not available for colonization until about:

Answer (Please select your correct option)

- ☐ 38 mya.
- ☒ 37 mya.
- ☐ 36 mya.
- ☐ 35 mya.

Answer solved by Amaan Khan
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Question Summary : (Attempted Question)

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ZOO503 Zoogeography and Paleontology

Question No : 17 of 58

The ancestors of the mammoths and modern Asian elephant probably evolved in4 to 5 mya

Answer (Please select your correct option)

Asia

☐

Africa

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Europe

☐

North America

☐

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ZOO503 Zoogeography and Paleontology

Question No : 18 of 50

Marks: 1 (Budgeted Time)

During the Early Devonian (380mya), The fossil record suggests that all the early amphibian and reptile groups evolved in the continent called

Answer (Please select your correct option)

- ☐ Eurasia
- ☐ Euroafrica
- ☒ Euramerica
- ☐ Australasia

Answer solved by Amaan Khan
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18

Next Question

Question Summary : (Attempted Question)

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ZOO503 Zoogeography and Paleontology

Question No : 19 of 50

All of the following are part of Gondwana, except.

Answer (Please select your correct option)

- ☐ Antarctica & Africa,
- ☐ South America
- ☐ Australia and India
- ☐ North America

Answer solved by Amaan Khan
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Question Summary : (Attempted Question)

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ZOO503 Zoogeography and Paleontology

Question No : 28 of 50

Many studies have demonstrated that the richness of species, particularly plants, increases with _____

Answer (Please select your correct option)

☐ latitude

☐ altitude

☐ Both altitude & latitude

☐ None of the given options

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20

Question Summary : (Attempted Question)

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ZO0503 Zoogeography and Paleontology

Question No : 21 of 50

Evolution, the process by which new species are generated essentially involves

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Answer (Please select your correct option)

☐ genetic variation

☐ selection of the most suitable genetic combinations within a particular environment

☒ Both genetic variation and selection of the most suitable genetic combinations within a particular environment

☐ None of the given options

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21

Question Summary : (Attempted Question)

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ZOO503 Zoogeography and Paleontology

Question No : 21 of 50

Evolution, the process by which new species are generated essentially involves

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Answer (Please select your correct option)

- ☐ genetic variation
- ☐ selection of the most suitable genetic combinations within a particular environment
- ☒ Both genetic variation and selection of the most suitable genetic combinations within a particular environment
- ☐ None of the given options

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21

Question Summary : (Attempted Question)

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TO examination system (CLL)

Z00503 Zoogeography and Paleontology

Question No : 22 of 50

Marks: 1 (Budgeted Time)

The 'trade winds', found in both the Northern and Southern Hemispheres, meet in the region of the equator, and this is known as the

Answer (Please select your correct option)

- ☒ intertropical convergence zone (ITCZ)
- ☐ Coriolis effect
- ☐ El-Nino effect
- ☐ None of the given options.

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22

Next Question

Question Summary : (Attempted Question)

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ZOO503 Zoogeography and Paleontology

Question No : 23 of 50

Marks: 1 (Budgeted Time)

certain species play key roles in the ecosystem, and when they are lost there is a sudden drop in the capacity of the ecosystem to function. called?

Answer (Please select your correct option)

- ☐ Redundant Species Hypothesis
- ☐ Linear Relationship Model
- ☒ The Rivet Hypothesis
- ☐ None of the given options

Answer solved by Amaan Khan
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Question Summary : (Attempted Question)

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Z00503 Zoogeography and Paleontology

Question No : 24 of 50

Marks: 1 (Budgeted)

When two species are attempting to tap a resource in the same way, and when that resource is in short supply, the two are said to be in_____

Answer (Please select your correct option)

☐ Interaction

☐ Symbiosis

☐ Niche

☐ Competition

Answer solved by Amaan Khan
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24



Question Summary : (Attempted Question)

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ZOO503 Zoogeography and Paleontology

Question No : 25 of 50

All of the following are included in Ecological Biogeography, Except

Answer (Please select your correct option)

☐ Roles of soil,

☐ climate,

☒ Altitude

☐ latitude & topography

Answer solved by Amaan Khan
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25

Question Summary : (Attempted Question)

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ZOO503 Zoogeography and Paleontology

Question No : 26 of 50

In terms of diversification of life During the Early Cambrianwas an important part of the ecosystem.

Answer (Please select your correct option)

☐ Competition

☒ Predation

☐ Symbiosis

☐ Parasitism

Answer solved by Amaan Khan
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26

Question Summary : (Attempted Question)

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ZOO503 Zoogeography and Paleontology

Question No : 27 of 50

Reptile ancestors of the mammals are

Answer (Please select your correct option)

☒ basal synapsids

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☐ basal Diapsids

☐ basal therapsids

☐ basal Pteropsids

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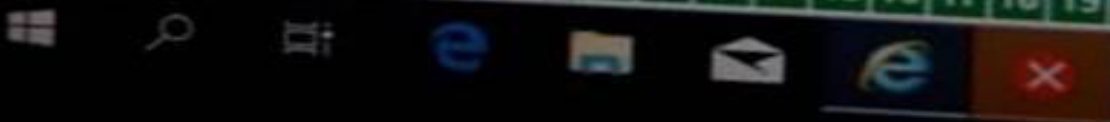


27

Question Summary : (Attempted Question)

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ZO0503 Zoogeography and Paleontology

Question No : 29 of 50

After the late Triassic extinction, a new group of herbivorous evolved named as

Answer (Please select your correct option)

☒ Sauropodomorphs

☐ Deinonychus

☐ Massospondylus

☐ All

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Question Summary : (Attempted Question)

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ZOO503 Zoogeography and Paleontology

Question No : 28 of 50 Marks: 1 (Budgeted Time Min)

_____ is a term sometimes used to describe the wave of biological invasions that has occurred in the wake of human invasions, by either accidental transport or deliberate introduction

Answer (Please select your correct option)

- ☐ Ecological invasion
- ☒ Ecological imperialism
- ☐ Ecological colonialism
- ☐ None of the given options

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Question Summary : (Attempted Question)

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ZOO503 Zoogeography and Paleontology

Question No : 28 of 50 Marks: 1 (Budgeted Time 30s)

_____ is a term sometimes used to describe the wave of biological invasions that has occurred in the wake of human invasions, by either accidental transport or deliberate introduction

Answer (Please select your correct option)

☐ Ecological invasion

☐ Ecological imperialism

☐ Ecological colonialism

☐ None of the given options

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Question Summary : (Attempted Question)

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ZOO503 Zoogeography and Paleontology

Question No : 30 of 50

According to which model, biodiversity continues to expand without reaching a global carrying capacity

Answer [Please select your correct option]

☐ Logistic model

☒ Exponential mode

☐ Linear model

☐ direct model

Answer solved by Amaan Khan
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ZOO503 Zoogeography and Paleontology

Question No : 31 of 50

How much of the human genetic makeup is shared with chimpanzee

Answer (Please select your correct option)

99%

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98%

99.9%

97%

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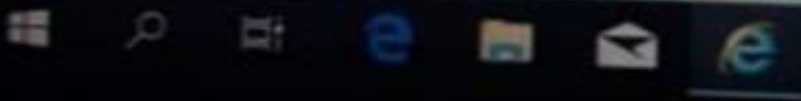


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Question Summary : (Attempted Question)

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ZOO503 Zoogeography and Paleontology

Question No : 32 of 50

When large animals feed on dead plant or animal tissues, the process is termed

Answer (Please select your correct option)

☐ decay

☒ Scavenging

☐ compaction

☐ none of them

Answer solved by Amaan Khan
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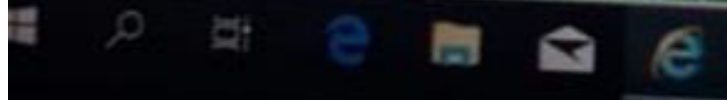


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Question Summary : (Attempted Question)

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ZOO503 Zoogeography and Paleontology

Question No : 33 of 58

Homoplasy means

Answer (Please select your correct option)

☐ Same structure

☒ Same function

☐ Different structure

☐ Different function

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Question Summary : (Attempted Question)

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ZOO503 Zoogeography and Paleontology

Question No : 34 of 50

The geological time shows climate zones?

Answer (Please select your correct option)

☒ Five

☐ Four

☐ Three

☐ Two

Answer solved by Amaan Khan
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Question Summary : (Attempted Question)

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ZO0503 Zoogeography and Paleontology

Question No : 35 of 50

Evolution by natural selection model was presented by ?

Answer (Please select your correct option)

☐ Willi Hennig

☐ Fredrick

☐ wales

☒ Darwin

Answer solved by Amaan Khan
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35

Question Summary : (Attempted Question)

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ZOO503 Zoogeography and Paleontology

Question No : 36 of 50

In true patterns of relationships are constructed?

Answer (Please select your correct option)

☐ Timeframe

☐ Phylogeny

☒ Cladistics

☐ None of them

Answer solved by Amaan Khan
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Question Summary : (Attempted Question)

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ZOO503 Zoogeography and Paleontology

Question No : 37 of 50 Marks: 1 (6)

The amount of difference in the fine structure of a protein is proportional to the Since they shared a common ancestor?

Answer (Please select your correct option)

- ☐ Radiocarbon dating
- ☐ Space
- ☐ Decay breakdown
- ☐ Time

Answer solved by Amaan Khan
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Question Summary : (Attempted Question)

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VO Examination System (CL... X)

Z00503 Zoogeography and Paleontology

Question No : 38 of 50

Mark: 1

Examines how plants and animals vary in their physiological processes in response to the environment?

Answer (Please select your correct option)

☒ Ecophysiology

☐ Ecosystem

☐ physiology

☐ None of above

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Question Summary : (Attempted Question)

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Examination System (CL... x)

ZOO503 Zoogeography and Paleontology

Question No : 39 of 50

Homo ergaster, appeared around _____, closely followed *Homo erectus*

Answer (Please select your correct option)

☒ 1.9mya

☐ 1mya

☐ 2mya

☐ 0.5mya

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

Start Time: 8:05 AM

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Time Left

39

Question Summary : (Attempted Question)

http://exam/votes/client/Paper.aspx

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ZOO503 Zoogeography and Paleontology

Question No : 40 of 50

The oldest known mammals group is known as _____

Answer (Please select your correct option)

☐ Primates

☐ Sapiens

☐ Plesiadapis

☒ All

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

Start Time: 8:05 AM

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Question Summary : (Attempted Question)

<http://exam/votes/client/Paper.aspx>

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ZOO503 Zoogeography and Paleontology

Question No : 41 of 50

When did the Modern Birds appear?

Answer ([Please click here to Add Answer](#))

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Question Summary : (Attempted Question)

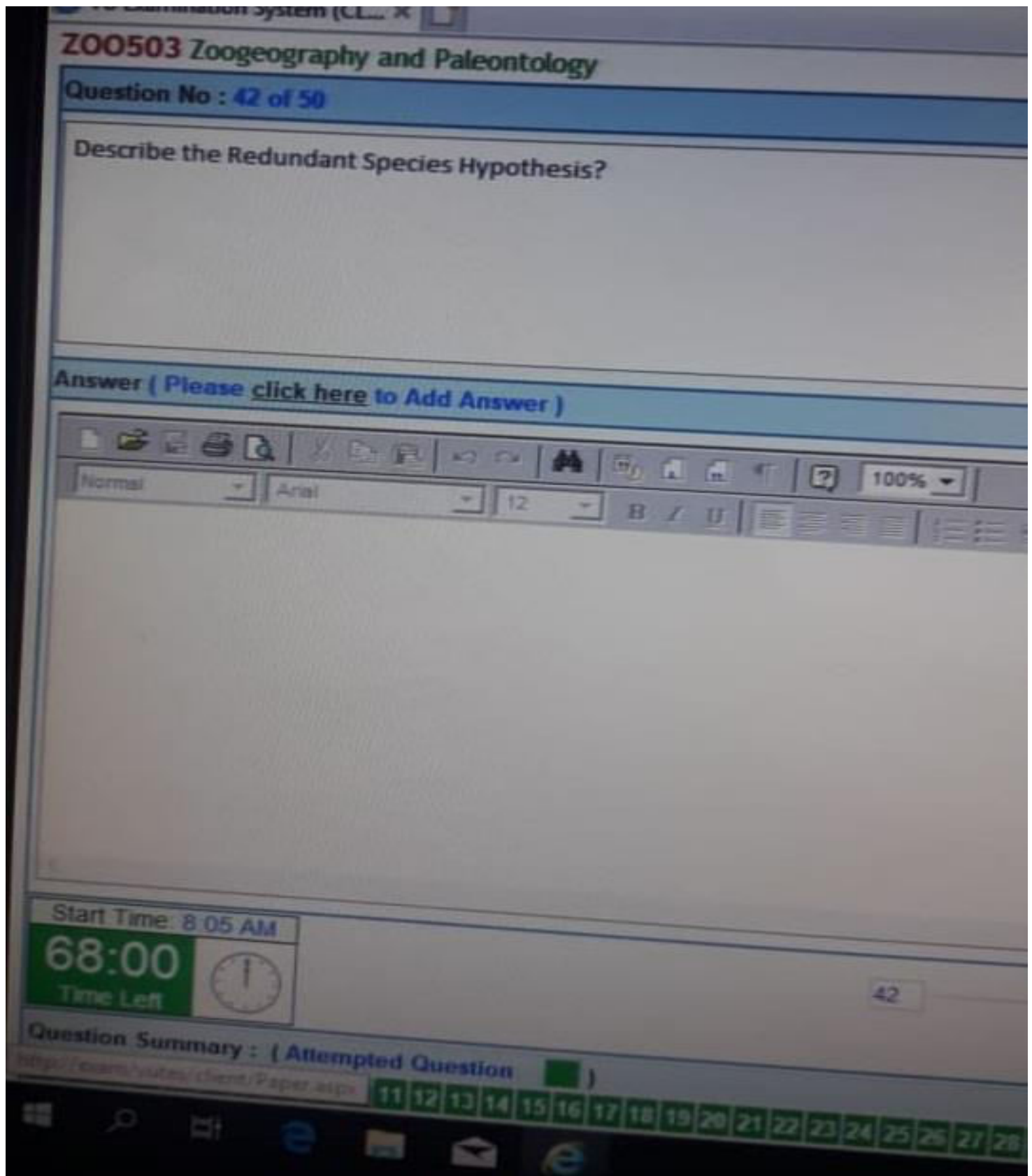
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Modern Birds

- Appeared in the latest Cretaceous and Early Tertiary,

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Redundant Species Hypothesis

- **Removal of certain species from an ecosystem would have little or no effect on the functioning of that ecosystem**

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ZOO503 Zoogeography and Paleontology

Question No : 43 of 50

What kind of information is provided by Molecular sequencing?

Answer (Please click here to Add Answer)

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Question Summary : (Attempted Question)

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- **Molecular sequencing** provides additional evidence for reconstructing and dating the tree of life.
- DNA has been extracted from fossils such as **woolly mammoths**, but not from truly ancient fossils

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ZOO503 Zoogeography and Paleontology

Question No : 44 of 50

What is meant by the Biotic replacement? Explain with examples.

Answer (Please click here to Add Answer)

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Question Summary : (Attempted Question)

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Biotic replacements

- An obvious feature of the history of life.
- These are times when one group of plants or animals replaces another.
- The replacement of brachiopods by bivalves is a famous example

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ZOO503 Zoogeography and Paleontology

Question No : 45 of 50

Describe the history of Old World tropical mammal fauna of Africa?

Answer ([Please click here to Add Answer](#))

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Question Summary : (Attempted Question)

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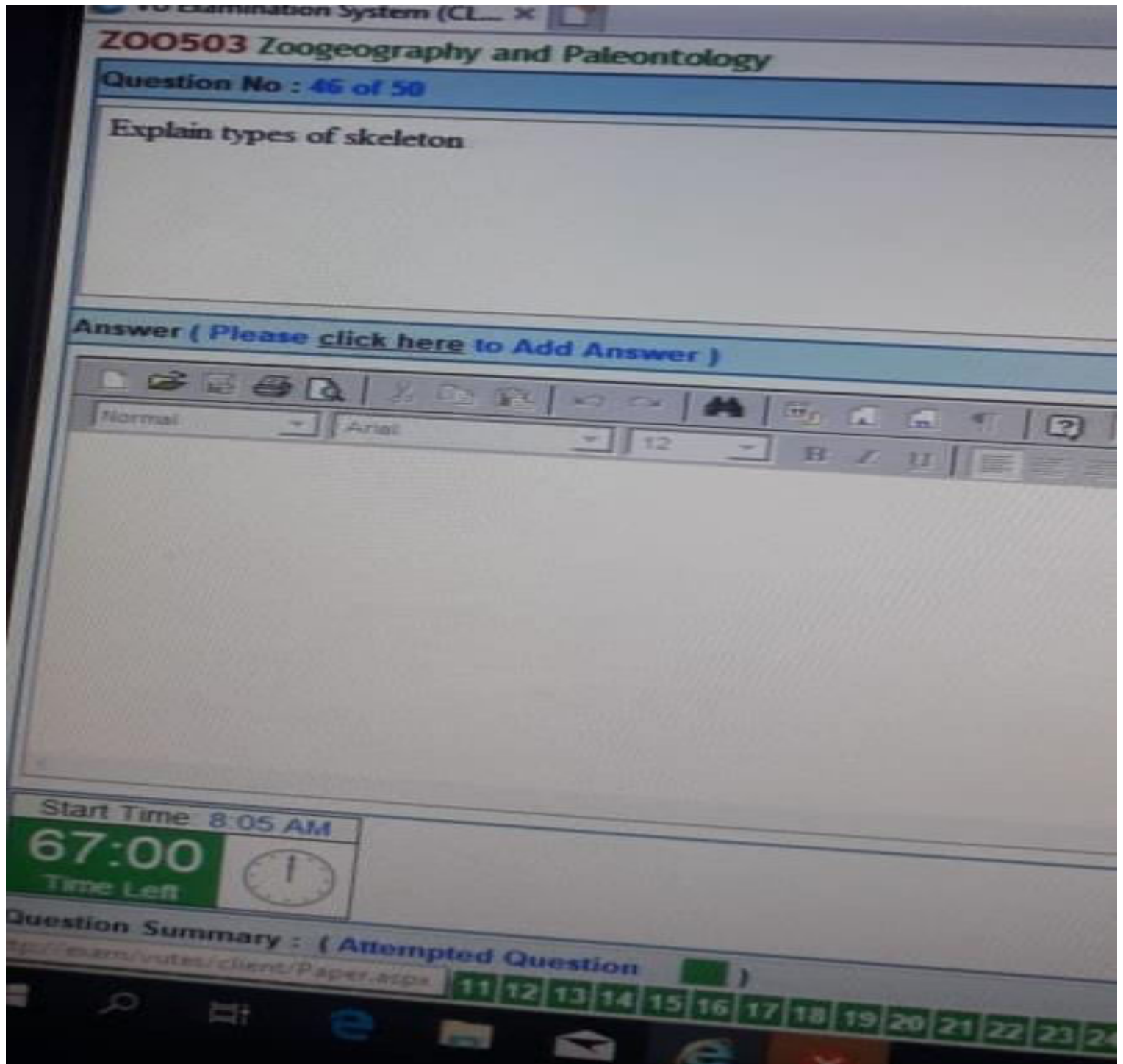
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Africa

- **Contains the best known & most distinctive of Old World tropical mammal fauna.**
- **Molecular studies of the interrelationships of the different orders of placentals suggest that the common ancestor of a group of African placentals entered the continent in the Late Cretaceous.**

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Hydraulic Skeleton

- Many animals such as the soft-bodied mollusks (slugs) possess a **hydraulic skeleton** in which the movement of fluid provides support

Rigid Skeletons

- **Mineralized material**
- may be external (**exoskeleton**) in the case of most invertebrates
- Internal (**endoskeleton**) structures, in the case of a few mollusks

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ZOO503 Zoogeography and Paleontology

Question No : 48 of 58

Describe Kleptoparasitism with example?

Answer ([Please click here to Add Answer](#))

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Question Summary : (Attempted Question)

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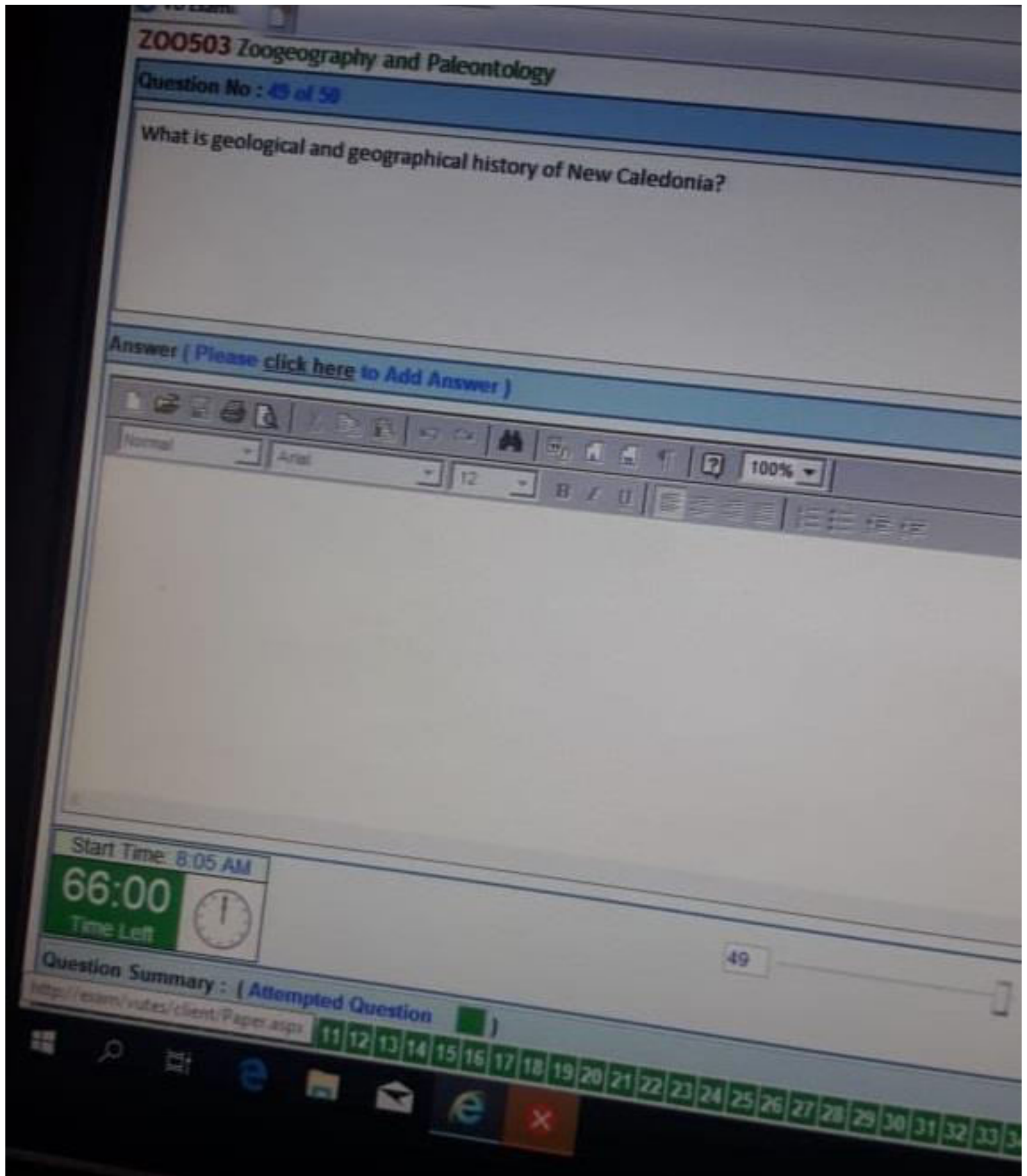
Kleptoparasitism

- A very widespread duck in the gadwall (*Anas strepera*).
- Coots (both Eurasian coot, *Fulica atra*, and the American coot, *Fulica americana*)
- Dive for their food and bring vegetable matter to the surface from greater depths.

Kleptoparasitism

- The coots are messy eaters, and it is not difficult for gadwall to move in and collect some of the loot.
- This behavior is called **kleptoparasitism**, and it is an effective way of widening the niche of the gadwall.

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New Caledonia

- Geological studies show that New Caledonia is the smallest (about 1600 km²) surviving fragment of Gondwana
- Rifted away from Australia in the Late Cretaceous 80–65 mya and reaching its present position 1500 km east of it 50 mya.
- It is a hotspot for diversity

New Caledonia

- In view of the large amount of research that shows the frequency of long-distance dispersal in such scenarios, most biogeographers today believe that this was the mechanism of arrival of the ancestors of the New Caledonian taxa

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New Caledonia

- Geological studies show that the island was submerged for long periods in the Paleocene–Eocene, so that the island was not available for colonization until about 37 mya.
- The New Caledonian species must therefore have diverged from their ancestors after this date

New Caledonia

Panbiogeographers reject long-distance dispersal.

They theorize that the Cretaceous ancestors of the present biota were widespread across the Pacific islands, including on supposedly formerly exposed large plateaux such as the Ontong Java plateau

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New Caledonia

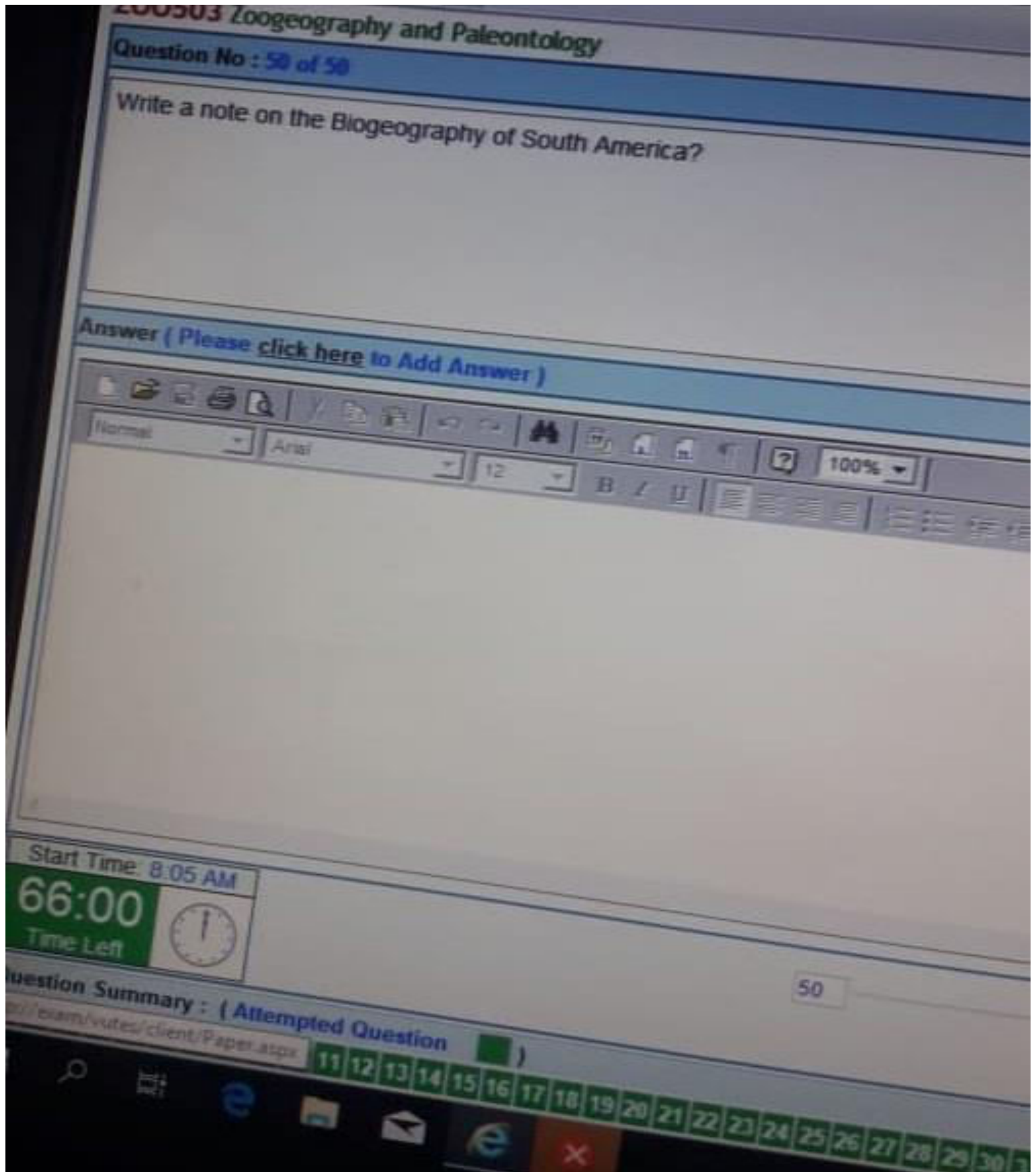
Biogeographers have investigated the history of the angiosperm family Sapotaceae.

Resulted from nine colonizations of the island between 33 and 4.2 mya, dates that are about 40 million years after the rifting of New Caledonia from Australia.

New Caledonia

- New Guinea and Australia were the most important sources of the arrivals, those from Pacific islands arriving only more recently, 27–24 mya. These results are clearly totally incompatible with the panbiogeographers' theories

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South America

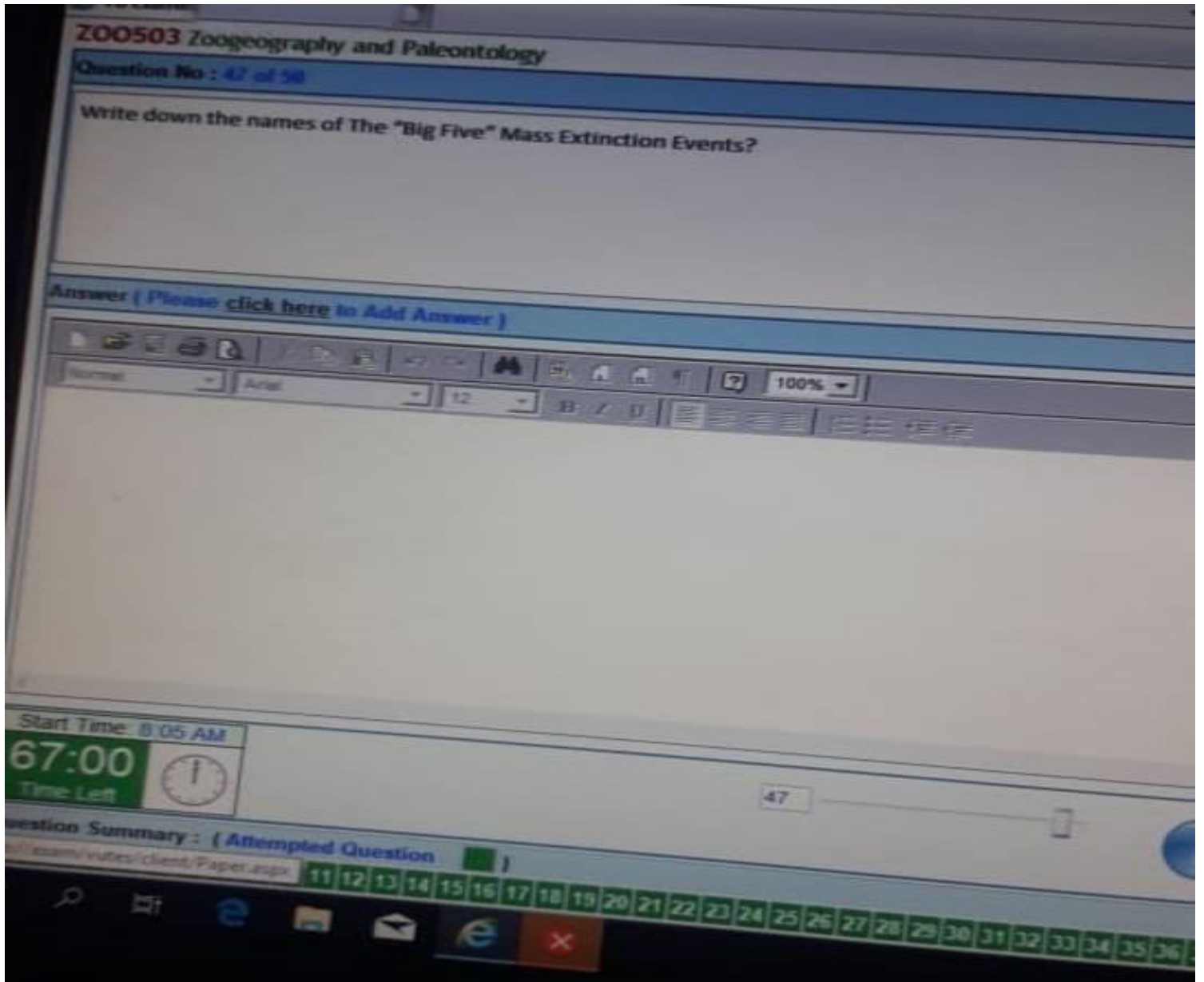
The history of the biota of South America has been dominated by the effects of the great earth-engine of plate tectonics. Some of these effects were caused by the westward drift of the continent, which led to mountain building and consequent climatic changes, but most were the result of changes in its relationship with North America.

As noted in the description of the origin of the Caribbean islands in the 'The West Indies' section, there had been islands in that region ever since the Americas started to move westward in the Early Cretaceous. This may have been the route by which some North American dinosaurs dispersed southward in the Mid-Cretaceous, accompanied by some early types of marsupial and placental mammal. But this connection has always been tenuous, sometimes permitting passage and sometimes becoming broken. This led to cycles of immigration, isolation and evolution, and final new immigration and extinction.

The Early Cenozoic

The mammal fauna of South America today is characterized by a few marsupials (opossums) and a diversity of edentate placental mammals known as the Xenarthra (sloths, armadillos and South American anteaters) that are hardly known elsewhere. However, in the Late Cretaceous, South America had a mammal fauna of strange marsupials and of ungulate placentals quite unlike anything known elsewhere in the world. Alfred Wallace, one of the founders of zoogeography noted that the range boundaries of Amazonian birds seemed to coincide with the pattern of the rivers. It is fascinating that recent research shows that closely related taxa of some birds are to be found on either side of rivers throughout Amazonia.

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Mass Extinctions

- The “big five”
Phanerozoic mass
extinctions occurred
in the
 - End-Ordovician
 - Late Devonian
 - End-Permian
 - End-Triassic
 - End-Cretaceous