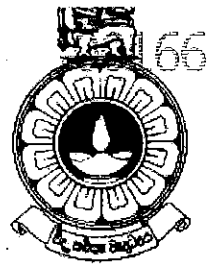


The Open University of Sri Lanka
Faculty of Natural Sciences
BSc Degree Programme

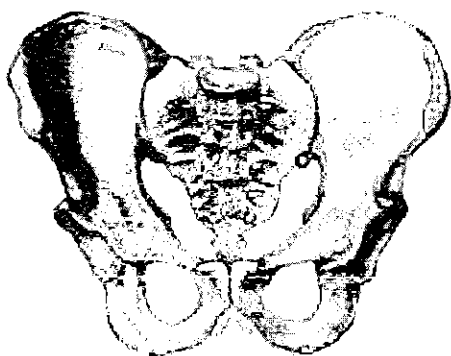


Department	: Zoology
Name of the Examination	: Final Examination 2019/2020
Academic Year	: 2019/2020
Course Code and Title	: ZYU5309/ZLU3189/ZYE5309-Paleobiology
Level	: 05
Date	: 18.12.2020
Time	: 9.30- 11.30 a.m
Duration	: Two Hours

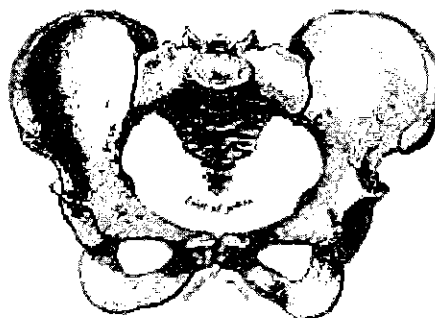
General Instructions to Candidates

1. Read all instructions carefully before answering the questions.
 2. This question paper consists of **three (03) pages** and **Six (06) questions**.
 3. Answer any **four (04) questions**.
 4. The answer for each question should commence from a new page.
 5. Use blue or black ink to write your answers.
 6. Draw fully labelled diagrams where necessary.
 7. Write the numbers of the questions you answered in the front page of the answer script.
 8. Clearly write your index number in the answer script.
 9. Do not bring in or have in possession unauthorized materials, including mobile phones and other electronic devices, or violate other examination rules.
 10. Handover your answer script at the end of the examination.
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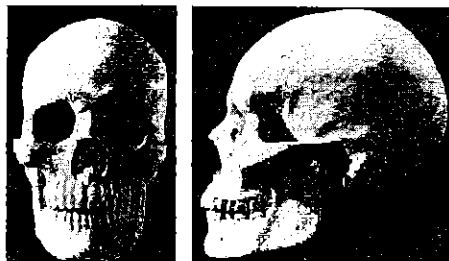
1. 1.1. Define Zooarchaeology and explain the main goals of it? (30 marks)
1.2. How would you understand the relationship between Environment and the Ancient Humans based on Faunal remains? (70 marks)
2. 2.1. Define fossils? (25 marks)
2.2 What are the four main types of fossils and provide examples and discuss their pattern of formation? (75 marks)
3. The following human remains were found from an archaeological site and labelled as P, Q, R and S. Identify those remains and discuss the difference between P & Q and R & S. (100 marks)



P



Q



R



S

4. Archaeologists found paleontological remains of the Ammonites, Trilobites, Brachiopods and Conodonts from an Archaeological Excavation.

4.1. Can you determine about this collection? (20 marks)

4.2. What do you mean by Holotype and Paratype specimens? (20 marks)

4.3. What are the Prehistorical Zooarchaeological findings in Sri Lanka? Explain them with their dating's the Places they found. (60 marks)

5. 5.1 Define NISP and MNI. (25 marks)

5.2. The following table indicates the MNI of identified faunal remains of 8 species within five contexts. According to these data, mention your observations about the mode of life of these inhabitants. Try to identify species from P to W. (Bottom to top Context 01 to 05). (75 marks)

Species	Context 01 MNI	Context 02 MNI	Context 03 MNI	Context 04 MNI	Context 05 MNI
P	12	10	08	00	00
Q	15	12	07	02	00
R	00	00	02	06	09
S	08	09	00	00	00
T	00	00	05	06	06
V	00	10	15	22	24
U	13	12	09	00	00
W	00	00	02	04	05

6. Write notes on any two (02) of the following. (50 marks x 2)

a) Determination of the Age of Animals

b) Relative Dating Techniques

c) Forensic Archaeology

