



THE OPEN UNIVERSITY OF SRI LANKA

B.Sc DEGREE PROGRAMME

FACULTY OF NATURAL SCIENCES

ZOOLOGY -LEVEL 5

PALEOBIOLOGY- ZLU 3189

FINAL EXAMINATION 2013/2014

Date: 02nd December 2014

Time 13.30 hours to 15.30 hours

Answer any four (04) questions.

1. a) The following table is listing parts of human bones recovered from archaeological contexts. Observe it carefully and calculate the exact MNI of inhabitants.

Name of Bone	Number
Scapula	798
Humerus	524
Femur	529
Tibia	425
Patella	689
Canine (upper)	1927
Cervical Vertebrae	2189
Incisors(Lower)	2678
Pelvic Girdle	354
Radius	756

- b). How do you differentiate human male and female pelvic girdles?

- 2)
 - a). Outline the Taphonomic Processes that affect Zoo archaeological assemblages.
 - b). Discuss the different methods that can be applied to determine ages of animals.
3.
 - a). Define the term "Culture".
 - b). Identify cultural changes that took place throughout human evolution.
4.
 - a). Define the term "Domestication".
 - b). Name seven (7) major domesticates in the world from the history of domestication and briefly explain their origin of domestication.
 - c). Why did agriculture emerge?
5. Explain fossil formation and the main types of fossils that exist in the world.
6. Write short notes on any two (2) of the following.
 - i.) Why Study Zooarchaeology?
 - ii) Relative Dating and Absolute Dating.
 - iii). Major extinction events.