

**2024**  
**B.A./B.Sc.**  
**Sixth Semester**  
DISCIPLINE SPECIFIC ELECTIVE – 3  
**ANTHROPOLOGY**  
*Course Code: AND 6.11 (B)*  
(Paleoanthropology)

*Total Mark: 70*  
*Time: 3 hours*

*Pass Mark: 28*

*Answer five questions, taking one from each unit.*

**UNIT-I**

1. Why is dating important? Discuss the zonal concept in paleoanthropological studies for understanding fossil assemblages. 3+11=14
2. Define taphonomy. Discuss on how taphonomy contribute towards the interpretation of paleontological and archaeological records. 2+12= 14

**UNIT-II**

3. What is speciation? Discuss the main processes through which speciation can occur. 1+13= 14
4. Discuss in brief the evolution of primates in geological perspective. 14

**UNIT-III**

5. Describe the features and phylogenetic significance of *Australopithecus afarensis*. 14
6. Discuss in brief the dispersion of modern humans using molecular data to substantiate your answer. 14

**UNIT-IV**

7. “One critical ingredient to the origin of apes and hominins seems to have been brain size increase.” Discuss. 14

8. Discuss the anatomical changes which occurred in the hominid skeleton due to hominization process. 14

### UNIT-V

9. What is palaeopathology? Discuss the aims and scopes of palaeopathology. 1+13=14
10. Highlight some implications on human biology, especially those linked to changes in health and behaviour, with the introduction of agriculture. 14
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