

**BA-II Year**  
**Skill Enhancement Course (SEC)**  
**Code: BAM- S402**  
**Environmental Archaeology**

**Semester-IV**  
**Max. Marks -60**  
**Time- 3 Hrs**

**Course Objectives**

Students will extend their abilities to:

- How human species have adapted to different environmental conditions in the past.
- Reconstruct palaeo-environmental conditions.
- Understand the bio-cultural evolution related with environmental changes.

**Course Outcomes**

The students will be able to:

- CO1 learn methods of environmental archaeology.  
CO2 Appraise geological time scale with different parameters.  
CO3 Articulate their knowledge with man-land relationship.

**Instructions:**

The question paper shall consist of two sections (Sec.-A and Sec.-B). Sec.-A shall contain 10 short answer type questions of six marks each. Student shall be required to attempt any five questions in 150 words. Sec.-B shall contain 8 long answer type questions of ten marks each and student shall be required to attempt any four questions. Questions shall be uniformly distributed from the entire syllabus. The previous year paper/model paper can be used as a guideline and the following syllabus should be strictly followed while setting the question paper.

**Course Contents:**

<b>Unit-I</b>	<b>(8 Lect.)</b>
(a) Environmental Archaeology: Nature and Scope	
(b) Development of Environmental Archaeology	
(c) Man-land relationships	
<b>Unit-II</b>	<b>(9 Lect.)</b>
(a) Geological Time Scale	
(b) Quaternary Period: Pleistocene and Holocene	
(c) Zonal Concept of Environment	
<b>Unit-III</b>	<b>(10 Lect.)</b>
(a) Methods Study of Quaternary Period:	
-Glacial	
-Fluvial	
-Aeolian	
-Marine	
-Lacustrine	
<b>Unit-IV</b>	<b>(9 Lect.)</b>
(a) Himalayan Rivers	
(b) Central and Western Indian Aeolian Stratigraphy	
<b>Unit-IV</b>	<b>(8 Lect.)</b>
(a) Himalayan Rivers	
(b) Central and Western Indian Aeolian Stratigraphy	



Head  
Department of Ancient Indian History,  
Culture and Archaeology  
Gurukul Kangri Vishwavidyalaya, Haridwar

## References:

1. Agrawal D.P. 1992 Man and Environment in India through Ages. New Delhi : Books and Books.
2. Brothwell D. & E.S. Higgs 1970 Science in Archaeology. London : Thames and Hudson
3. Butzer K.W.1971 Environmental Archaeology: An Ecological Approach to Prehistory. Chicago: Aldine
4. Butzer K.W.1982 Archaeology as Human Ecology: Method and Theory for a Contextual Approach. Cambridge : Cambridge University Press
5. Charlsworth J.K.1966 Quaternary Era Vol I & II . London.
6. Dimbleby G.W. Plants and Archaeology (2nd ed.). London: John Baker
7. Allchin B. , Goudie A. & K.T.M. Hegde 1978 Prehistory and Palaeogeography of Great Indian Desert.London : Academic Press
8. Evans J. 1978 An Introduction to Environmental Archaeology. New York.: Cornell University Press.
9. Faegri K.& J. Iversen 1975 Text book of Pollen Analysis (3rd ed.) New York: Hafner
10. George Rapp Jr. and John A. Gifford. 1985. Archaeological Geology. New Haven and London: Yale University Press.
11. Hamilton E.I. & L.H. Ahrens 1965 Applied Geochronology. London Academic Press.
12. Henderson – Sellers A. & P.J. Robinson 1986 Contemporary Climatology.Essex:Longman.
13. Imbrie J. & N. Newell (ed.) 1964 Approches to Palaeoecology. New York.
14. Wadia, S., R. Korisettar and V.S. Kale (Eds.) (1995) Quaternary Environments and Geoarchaeology of India.Essays in honour of Professor S.N. Rajaguru. Memoir No: 32, Geological Society of India, Bangalore.



Head  
Department of Ancient Indian History,  
Culture and Archaeology  
Gurukul Kangri Vishwavidyalaya, Haridwar