

**Third Semester**  
**Paper Code: GenEd-GEOL-03**  
**Mass extinction/Apocalypse in Earth's history**  
**Full marks: 50: 4 Credit**  
**Marks 35**

1. Life in the Precambrian – prokaryotes, eukaryotes, metazoans;
2. Cambrian explosion, the evolutionary Big Bang.
3. Mass-extinction – definition, history of study; big extinction events – end-Ordovician, Late Devonian, end-Permian, end-Triassic, end-Cretaceous; evidences and causes;
4. Tempo of evolution – mass-extinction and adaptive radiation as sources of change;
5. Sixth big mass-extinction of the Recent – man vs. nature.

*Practical/Projects/Internal Assignment:*

*Marks: 15*

Study of fossils in laboratory/in field, or Projects related to life in rock record

Suggested books :

1. Ray, A.K.: Fossils in Earth Sciences.
2. Clarkson, E.N.K.: Invertebrate Palaeontology and Evolution
3. Doyle, P.: Understanding Fossils.
4. Foote, M. and Miller, A.I.: Principles of Paleontology
5. Lieberman, B.S. and Kaesler, R.: Prehistoric Life