

00305

**Ph.D. GEOLOGY
(PHDGY)**

Term-End Examination

June, 2018

RGYE-110 : PALAEOLOGY

Time : 3 hours

Maximum Marks : 100

*Note : Answer any **five** questions. All questions carry equal marks.*

1. What is species ? Discuss species problem in palaeontology, in detail. 20
2. Give a detailed account of the stratological and fluvial accumulations of vertebrate fossil assemblages. 20
3. Describe the code of Zoological nomenclature in naming the species. Add a note on law of priority. 20
4. Explain in detail various field and laboratory techniques involved in collecting and processing samples for micropalaeontological research. 20

5. Discuss the evolutionary history of vertebrates through geological time, in detail. 20
6. Write short notes on any **two** of the following : 2×10=20
- (a) Type Specimens
 - (b) Cladogram
 - (c) Trace Fossils
 - (d) Microfossils
7. Mention the five big mass extinction events of the Earth's history and discuss any one of them in detail. 20
8. Write short notes on any **two** of the following : 2×10=20
- (a) Molecular Phylogenetics
 - (b) Molds and Casts
 - (c) Fossil Preparation
 - (d) Palaeobiogeography
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