

Note:

The paper setter is required to set questions of 3 types contained in 3 Sections (**Section A**- 10 questions, **Section B**- 10 questions and **Section C**- 4 questions) from the 5 units of each paper. There will be 10 questions in **Section A** which will be asked from all the 5 units, i.e., 2 questions from each unit. These questions have to be answered in one word or a few words only. Each question will be of half mark. All the questions in **Section A** are compulsory. In **Section B**, 10 questions will be set from the 5 units, i.e., 2 questions from each unit. Students are required to attempt at least 1 question from each unit. Each question will carry 5 marks. The answers of each question should be given in about 250 words. In **Section C** there will be 4 descriptive type questions set from all the 5 units, not more than 1 question from each unit. These questions may also have subdivisions. The students are required to answer 2 questions, each in approximately 500 words. Each question will carry 10 marks.

In short, pattern of question paper and distribution of marks for UG classes will be as under :

Section A : 10 questions, 2 questions from each unit short answer, all questions compulsory.

Total marks : 05

Section B : 10 questions, 2 question from each unit 5 question to be attempted, at least 1 from each unit, answer approximately in 250 words.

Total marks : 25

Section C : 04 questions (question may have subdivision), not more than 1 question from each unit descriptive type, answer in about 500 words, 2 questions to be attempted.

Total marks : 20

PAPER III

PALAEOBOTANY, PTERIDOPHYTES AND GYMNOSPERMS

- Unit-1** Characteristics and broad classification of pteridophyta. Stelar system in pteridophytes. Geological Time Scale. Types of fossils, process of fossilization. Applied aspects of Palaeobotany. Structure of *Rhynia* and *Williamsonia*.
- Unit-2** Occurrence, structure and life history of *Psilotum*, *Lycopodium* and *Equisetum*.
- Unit-3** Occurrence, structure and life history of *Selaginella* and *Marsilea*. Homospory, heterospory and origin of seed habit.
- Unit-4** General characters, economic importance and broad classification of Gymnosperms. Occurrence, structure of life history of *Cycas*.
- Unit-5** Occurrence, structure and life history of *Pinus* and *Ephedra*.

Note :

The paper setter is required to set questions of 3 types contained in 3 Sections (**Section A**- 10 questions, **Section B**- 10 questions and **Section C**- 4 questions) from the 5 units of each paper. There will be 10 questions in **Section A** which will be asked from all