

## **Ph. D. COURSE WORK**

The Ph. D. Course work teaching and evaluation in the department of Geology shall be as per the details given below:

There shall be TWO papers of 100 marks each. The candidates would be required to score at least 50% (including Internal Assessment) in each paper individually to pass in the Course Work Examination.

### **PAPER –I**

The course content of this paper shall comprise the following:

Basics/Principles/Research methodologies employed in the following broad disciplines of Mineralogy, Geomorphology, Neotectonics, Structural geology, Optical Mineralogy, Petrology, Plaeontology, Early life and its evolution, Biostratigraphy, Stratigraphy, Sedimentology, Quaternary geology, Himalayan geology, Glaciology, Remote sensing and GIS, Geochronology, Field geology, Environmental geology, Rock mechanics and Computer applications in geology.

*The exact topics and lecture schedule of the Faculty Members shall be communicated to the students at the time of commencement of each Course work.*

The evaluation for this paper shall be as follows:

(i) *Internal Assessment (Max. Marks 30)*

The marks for the Internal Assessment shall be awarded to the students by all the Faculty Members teaching the Course, and the average for each student shall be credited accordingly.

(ii) *Semester-end Examination (Max. Marks 70)*

Shall be compulsory for all the students, and will comprise Short Answer type/ Multiple Choice Objective type questions related to topics detailed above and shall be evaluated by a Faculty Member appointed as Examiner for the same by the Board of Studies of the Department..

### **PAPER –II**

The Course content would comprise special topics and methodology specific to the allotted branch of Geology including instrumentation, if any, the details of which shall be communicated to the respective students by their Supervisors.

The evaluation for this paper shall be as follows:

(i) *Internal Assessment (Max. Marks 30)*

The marks for the Internal Assessment shall be awarded to the students by their Supervisors.

(ii) *Presentation (Max. Marks 20)*

The candidate shall submit a write-up on a topic assigned by the Supervisor, and give a Power point Presentation on the same, which shall be evaluated by the Supervisor and designated Faculty Members of the Department.

(iii) *Written Paper (Max. Marks 50)*

The paper shall be set and evaluated by the Supervisor and shall include special topic(s) related to the selected area of research work.