

**DEPARTMENT OF MATHEMATICS**  
**ASSAM UNIVERSITY: SILCHAR**

**NOTICE**

It is for information to all examinees for admission into Ph.D. program in the Department of Mathematics, AUS, the Research Entrance Test (RET-2021) will be held through online mode (Google Meet, Google Form) on 14/12/2021 during 3.00 PM to 4.30 PM. The Qualified Candidates in RET-2021 (Written Test) will be informed through email on the same day. For the Qualified Candidates, the presentation and personal interview will be held through online mode (Google Meet) on 15/12/2021 at 11.00 AM. The Google Meet links for the Written Test as well as the personal interview will be intimated through email. The candidates are advised to join 15min. before the commencement of the examination on 14/12/2021 and candidates are also advised to keep their camera on and remain visible throughout during the examination. Any violation of the above rules by any candidate will invite his/her disqualification.

The Question Paper for RET-2021 (Written Test) will consist of 50 MCQ type Questions with equal weightage of 1 mark each. The syllabus for the Written Test is as follows:

- A) Research Methodology (25 Marks)
- B) Mathematics (25 Marks)
  - i. Analysis
  - ii. Algebra
  - iii. Linear Algebra
  - iv. Differential Equations
  - v. Numerical Methods
  - vi. Mechanics, Fluid Dynamics
  - vii. Operation Research

All Qualified Candidates of RET-2021 Written Test will have to present a topic related to their proposed Research Area on 15/12/2021.

*Sengupta* 9/12/2021  
HOD, Mathematics

Assam University, Silchar