

# **NOTICE**

**Speaker :** Dr. Indu Anand

**Time & Date:** 11:15 AM, 17 Dec. 2015

**Venue :** Seminar Room, Department of Physics, PU

**Title of Talk :** Reverse Multiple-Choice Method : A novel Tool for Teaching, Assessment and Training

All interested are cordially invited to attend the talk.

Tea at 11.00 A.M.

**Summary :** A key, shared and persistent challenge of most academic and technological organizations is to distinguish and recognize students or applicants who can think creatively. To cope with large number of students and applicants, these organizations often resort to multiple-choice tests for assessment; but, this approach cannot significantly distinguish the analytical abilities of different candidates. Here we offer a novel method of posing/answering questions - called the Reverse Multiple-Choice Method (RMCM) - which can discriminate among candidates in terms of soundness of their understanding and their analytical skills. RMCM starts with usual multiple-choice method; but it is **augmented** in such a manner that “wrong” answer choices too have to be analyzed and justified by the test-taker via appropriately worded questions. RMCM can **reveal a test taker’s understanding** as to **why** an answer to a question is correct or incorrect in an efficient formal structure, which could also be automated for grading. Databanks of RMCM questions have lasting value – an RMCM question does not degrade with reuse, since every new examinee **must** answer it **thoughtfully**, even if the question was used earlier. RMCM questions can augment standardized testing as control questions in order to support and validate statistical inferences. The recent, Massive Online Courses open an exciting opportunity for the use of RMCM.

**Dr. Indu Anand is interested in a Collaborative Study with PU for A New Paradigm in Testing/Evaluation.**