

Centre for Applied Mathematics

NOTICE

Agenda/Purpose: Sessional Examinations of Mathematics-I

It is notified for all concern students that centre for applied Mathematics will conduct sessional examinations of Mathematics-I in October 2017. Applications will be submitted to the centre before **22 September 2017**. The scheduled time table and syllabus of sessionals are as follows:

S.No.	Sessionals	Date	Syllabus
1.	Sessional I	5 th October, 2017	Quick review of Successive differentiation and Leibnitz theorem, limits, continuity, and differentiability, Mean value theorem, Taylors Theorem, Maxima and Minima). Riemann integration, Darboux theorem, Fundamental theorem of integral Calculus, Improper integrals, Beta function, Gamma functions and related definite integrals. Surface area and Volume.
2.	Sessional II	13 th October, 2017	Convergence of sequences and series, power series. Partial differentiation, Euler's theorem and chain rule. Directional derivatives and gradients, maxima and minima, Lagrange multipliers.
3.	Sessional III	24 th October, 2017	Double and Triple integration, Jacobians and change of variables. Parametrization of curves and surfaces, vector Fields, line and surface integrals. Divergence and curl, Theorems of Green, Gauss, and Stokes.

Coordinator

CAM, CUJ

Copy to:

- (i) PS to VC
- (ii) PS to Pro-VC
- (iii) PS to Registrar
- (iv) Controller of Examination
- (v) Concern Centres
- (vi) Notice Boards
- (vii) web site, CUJ