



**SKN COLLEGE OF AGRICULTURE**  
**(SRI KARAN NARENDRA AGRICULTURE UNIVERSITY)**  
**Jobner-303 329, Jaipur- Rajasthan**

No.F ( )/SKNCOA/SS/2023/ 882

Date: 16.10.2023

**NOTIFICATION**

The syllabus of Elementary Mathematics (MATH-111) in B.Sc. (Hons.) Agriculture Part-I has been revised to run in 2 (2+0) credit hours with effect from academic session 2023-24. The recommended syllabus is attached herewith:


Elementary Mathematics (MATH-111)      Credits 2 (2+0)

Differential Calculus : Definition of function, limit and continuity, Simple problems on limit, Simple problems on continuity, Differentiation of  $x^n, e^x, \sin x$  &  $\cos x$  from first principle, Derivatives of sum, difference, product and quotient of two functions, Differentiation of functions of functions (Simple problem based on it), Logarithmic differentiation (Simple problem based on it), Differentiation by substitution method and simple problems based on it. Maxima and Minima of the functions of the form  $y = f(x)$  (Simple problems based on it).

Integral Calculus : Integration of simple functions, Integration of Product of two functions, Integration by substitution method, Definite Integral (simple problems based on it), Area under simple well-known curves (simple problems based on it).


Matrices and Determinants: Definition of Matrices, Addition, Subtraction, Multiplication, Transpose and Inverse up to 3rd order, Properties of determinants up to 3rd order and their evaluation.

It bears approval of the Hon'ble Vice Chancellor.

  
Dean & Faculty Chairman

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1. PS to the Hon'ble Vice Chancellor, SKNAU, Jobner
2. The Registrar, SKNAU, Jobner
3. The Director Education, SKNAU, Jobner with the requested to include this matter in meeting of ensuing Academic Council
4. The Controller of Examinations, SKNAU, Jobner
5. The Dean/Principal of all the constituent and affiliated colleges of SKNAU, Jobner
5. Guard file.

  
Dean & Faculty Chairman