

ST. ALOYSIUS (AUTO) COLLEGE, JABALPUR
DEPARTMENT OF MATHEMATICS
CERTIFICATE COURSE
BASICS OF MATLAB

Paper	Title	Maximum Marks	Minimum Marks
I	Basics of MATLAB-Theory	50	20
II	Basics of MATLAB-Practical	50	20

Note: Total duration of the course is 30 contact hours.

Kanday
27.7.19

27.7.19

Pentabha

Sain

P. S. W.

Holung.

Sum
27/7

MD

MD

ST. ALOYSIUS COLLEGE (AUTO), JABALPUR
DEPARTMENT OF MATHEMATICS
CERTIFICATE COURSE
BASICS OF MATLAB-THEORY

Maximum Marks: 50

Time: 2 hours

Minimum Marks: 20

MODULE I- Input output of data from Matlab command. File types. Creating, saving and executing the script file. Creating and executing functions file.

MODULE II- Working with files and directories. Matrix manipulation. Creating vectors. Arithmetic operations. Relational operations. Logical operations. Matrix functions. Determinant of Matrix.

MODULE III -Graphics: Two and three dimensional plot.

REFERENCE BOOKS:-

1. RudraPratap, Getting Started with MATLAB: A Quick Introduction for Scientists and Engineers. Oxford University Press.
2. Stormy Attaway, MATLAB: A Practical Approach, Butterworth-Heinemann Publications, USA.

Mandny
27.7.19

27.07.19

Preetibha
S Jain

Vishu

Aalav

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Ald

MD

ST. ALOYSIUS COLLEGE (AUTO), JABALPUR
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CERTIFICATE COURSE
BASICS OF MATLAB-PRACTICAL

Maximum Marks: 50

Time: 2 hours

Minimum Marks: 20

List of Practicals:

1. WAP in MATLAB for multiplication of matrices.
2. WAP in MATLAB for the inverse of a matrix.
3. WAP in MATLAB for Determinant of Matrix.
4. WAP in MATLAB for the average of finite numbers.
5. WAP in MATLAB using "if else if" statement.
6. WAP in MATLAB for plotting graphs of trigonometric functions.

Dr. Z
27.07.19

Dr. Z
27/7

Dr. Z
27/7

Handy
27.7.19

Petibha
Spain

Dr. Z
27/7

MO

Atel

Jalanga