

1. STATE OF TECHNOLOGY

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233841-5129 Notice Date: 26.11.2024 This is to
inform all the concerned that the syllabus
of the End-Sem exam for MA201 which will
be held on Monday 2nd December 2024 is
as follows: Fourier Transforms: Introduction,
Fourier series (F.S.), Even and Odd
functions, Half range expansions. Fourier
Integral (F.I.), Fourier Sine & Cosine
transforms, Fourier Transforms (F.T.)
Formation of PDE. Linear PDE of first
order Lagrange's method. Non-linear PDE of
first order Charpit's method. Homogenous
and Non-homogeneous linear equations with
constant coefficients. Boundary and Initial
value problems: (Dirichlet and Neumann
type), Method of separation of variables
for PDEs, Wave Equation: One-dimensional,
Cartesian Coordinates. Probability &
Statistics: Introduction, Random Variable.
Cumulative distribution function.
Probability Mass and Density function.
Binomial Distribution Poisson Distribution,
Normal Distribution. Curve fitting: Fitting

of **S**traight line and Parabola (by the
method of **L**east **S**quares). **C**orrelation and
Coefficient of **C**orrelation. **R**egression and
Coefficient of **R**egression, **L**ines of
Regression. **A**ngle between **R**egression
Lines. **P**ankaj **B**iswas **A**ssistant **P**rofessor
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