



## P.K.R. ARTS COLLEGE FOR WOMEN

(An Autonomous Institution-Affiliated to Bharathiar University, Coimbatore)

Approved by Government of Tamil Nadu and Accredited by NAAC with 'A' Grade  
 Gobichettipalayam – 638 476, Erode District, Tamil Nadu, India Website: www.pkrarts.org  
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**NAAC**  
**2<sup>nd</sup> Cycle**

**Criterion I**  
**Metric 1.1.1**

**Courses focus on Global, National, Regional and Local Needs Academic Year: 2021-22**

Year of Syllabus Revision	Programme	Code	Title of the Course	Need				Description
				Local	Regional	National	Global	
2021-22	B.Sc	21SEMAU03	Latex -Practical	✓				To enable the students to get experienced about Typesetting Latex
2021-22	B.Sc	21PEMAU01	Financial Mathematics (Self Study)		✓			To enable the students to gain the knowledge about simple interest and compound interest, Annuities, Mean Median, Mode, Transportation problem and Forecasting methods.
2021-22	B.Sc	21MAU12	Numerical Methods			✓		To enable the students to learn and gain knowledge about simultaneous linear algebraic equations , interpolation ,numerical differentiation and integration .
2021-22	B.Sc	21SEMAU01	Internet Basics and Office Automation Tools -Practical			✓		To enable the students to learn and gain knowledge about internet basics and MS Office
2021-22	B.Sc	21MAU10	Statistics - I				✓	To enable the students to understand mathematical aspects of statistics
2021-22	B.Sc	21MAU13	Statistics - II				✓	To enable the students to understand mathematical aspects of applied statistics

2021-22	B.Sc	21MAU18A/	Operations Research – I				✓	To enable the students to learn decision making problems based on deterministic and probabilistic models.
2021-22	B.Sc	21MAU18B	Applied Algebra - I				✓	To enable the students to learn and gain knowledge about the mathematical logic and algebraic structures, Lattices and Boolean Algebra.
2021-22	B.Sc	21MAU22A	Operations Research – II				✓	To enable the students to understand various mathematical applications in industries-Decision making for real time environment.
2021-22	B.Sc	21MAU22B	Applied Algebra - II				✓	To enable the students to learn and gain knowledge about the Formal languages Automata Theory and Graph Theory .

2021-22	B.Sc	21MAU13	Statistics - II				✓	To enable the students to understand mathematical aspects of applied statistics
2021-22	B.Sc	21MAU18A/	Operations Research – I				✓	To enable the students to learn decision making problems based on deterministic and probabilistic models.
2021-22	B.Sc	21MAU18B	Applied Algebra - I				✓	To enable the students to learn and gain knowledge about the mathematical logic and algebraic structures, Lattices and Boolean Algebra.
2021-22	B.Sc	21MAU22A	Operations Research – II				✓	To enable the students to understand various mathematical applications in industries-Decision making for real time environment.
2021-22	B.Sc	21MAU22B	Applied Algebra - II				✓	To enable the students to learn and gain knowledge about the Formal languages Automata Theory and Graph Theory .

R. Jan 19/10/22  
R. JAYALAKSHMI, M.Sc., M.Phil., M.A.  
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## Courses focus on Global, National, Regional and Local Needs Academic Year: 2020-21

Year of Syllabus Revision	Programme	Code	Title of the Course	Need				Description
				Local	Regional	National	Global	
2020-21	B.Sc	20PEUMA01	Financial Mathematics (Self Study)		✓			To enable the students to gain the knowledge about Financial Mathematics.
2020-21	B.Sc	20MAU15	Numerical Methods			✓		To enable the students to learn and gain knowledge about linear algebraic and transcendental equations and system of linear equations.
2020-21	B.Sc	20SEUMA1	Internet Basics and Office Automation Tools- Practical			✓		To enable the students to learn and gain knowledge about internet basics and MS Office
2020-21	B.Sc	20MAU13	Statistics - I				✓	To enable the students to understand mathematical aspects of statistics
2020-21	B.Sc	20MAU17	Statistics - II				✓	To enable the students to understand mathematical aspects of applied statistics
2020-21	B.Sc	20MAU23A/	Operations Research – I				✓	To enable the students to learn decision making problems based on deterministic and parabolic models.
2020-21	B.Sc	20MAU23B	Applied Algebra - I				✓	To enable the students to learn and gain knowledge about the mathematical logic and algebraic structures, Lattices and Boolean Algebra.

2020-21	B.Sc	20MAU28A	Operations Research – II				✓	To enable the students to understand various mathematical applications in industries-Decision making for real time environment.
2020-21	B.Sc	20MAU28B	Applied Algebra - II				✓	To enable the students to learn and gain knowledge about the Formal languages Automata Theory and Graph Theory .
2020-21	B.Sc	20SEUMA3	HTML – Practical				✓	To enable the students to learn and gain knowledge about HTML.

2020-21	B.Sc	20MAU23B	Applied Algebra - I				✓	To enable the students to learn and gain knowledge about the mathematical logic and algebraic structures, Lattices and Boolean Algebra.
2020-21	B.Sc	20MAU28A	Operations Research – II				✓	To enable the students to understand various mathematical applications in industries-Decision making for real time environment.
2020-21	B.Sc	20MAU28B	Applied Algebra - II				✓	To enable the students to learn and gain knowledge about the Formal languages Automata Theory and Graph Theory .
2020-21	B.Sc	20SEUMA3	HTML – Practical				✓	To enable the students to learn and gain knowledge about HTML.

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## Courses focus on Global, National, Regional and Local Needs Academic Year: 2019-20

Year of Syllabus Revision	Programme	Code	Title of the Course	Need				Description
				Local	Regional	National	Global	
2019-20	B.Sc	19MAU29A	Latex	✓				To enable the students to learn and gain knowledge about the concepts of LaTeX and the LaTeX commands to write programs.
2019-20	B.Sc	19MAU29B	Graph Theory	✓				To enable the students to learn and gain knowledge about Graph Theory.
2019-20	B.Sc	19SEUMA4	Latex – <b>Practical</b>	✓				To enable the students to get experienced about Typesetting Latex
2019-20	B.Sc	19PEUMA01	Financial Mathematics (Self Study)		✓			To enable the students to gain the knowledge about Financial Mathematics.
2019-20	B.Sc	19MAU15	Numerical Methods			✓		To enable the students to learn and gain knowledge about linear algebraic and transcendental equations and system of linear equations.
2019-20	B.Sc	19SEUMA2	Basics of Internet – <b>Practical</b>			✓		To enable the students to learn and gain knowledge about internet basics and MS Office
2019-20	B.Sc	19MAU13	Statistics – I				✓	To enable the students to understand mathematical aspects of statistics
2019-20	B.Sc	19MAU17	Statistics – II				✓	To enable the students to understand mathematical aspects of applied statistics

2019-20	B.Sc	19MAU23A	Operations Research-I				✓	To enable the students to learn decision making problems based on deterministic and parabolic models.
2019-20	B.Sc	19MAU23B	Applied Algebra - I				✓	To enable the students to learn and gain knowledge about the mathematical logic and algebraic structures, Lattices and Boolean Algebra.
2019-20	B.Sc	19SEUMA3	Web Programming – HTML and PHP - <b>Practical</b>				✓	To enable the students to learn and gain knowledge about HTML and PHP.
2019-20	B.Sc	19MAU28A	Operations Research –II				✓	To enable the students to understand various mathematical applications in industries-Decision making for real time environment.
2019-20	B.Sc	19MAU28B	Applied Algebra - II				✓	To enable the students to learn and gain knowledge about the Formal languages Automata Theory and Graph Theory .



2019-20	B.Sc	19MAU13	Statistics – I				✓	To enable the students to understand mathematical aspects of statistics
2019-20	B.Sc	19MAU17	Statistics – II				✓	To enable the students to understand mathematical aspects of applied statistics
2019-20	B.Sc	19MAU23A	Operations Research-I				✓	To enable the students to learn decision making problems based on deterministic and parabolic models.
2019-20	B.Sc	19MAU23B	Applied Algebra - I				✓	To enable the students to learn and gain knowledge about the mathematical logic and algebraic structures, Lattices and Boolean Algebra.
2019-20	B.Sc	19SEUMA3	Web Programming – HTML and PHP - Practical				✓	To enable the students to learn and gain knowledge about HTML and PHP.
2019-20	B.Sc	19MAU28A	Operations Research –II				✓	To enable the students to understand various mathematical applications in industries-Decision making for real time environment.
2019-20	B.Sc	19MAU28B	Applied Algebra - II				✓	To enable the students to learn and gain knowledge about the Formal languages Automata Theory and Graph Theory .

  
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## Courses focus on Global, National, Regional and Local Needs Academic Year: 2018-19

Year of Syllabus Revision	Programme	Code	Title of the Course	Need				Description
				Local	Regional	National	Global	
2018-19	B.Sc	18MAU29A	Latex	✓				To enable the students to learn and gain knowledge about the concepts of LaTeX and the LaTeX commands to write programs.
2018-19	B.Sc	18MAU29B	Graph Theory	✓				To enable the students to learn and gain knowledge about Graph Theory.
2018-19	B.Sc	18SEUMA4	Latex – <b>Practical</b>	✓				To enable the students to get experienced about Typesetting Latex
2018-19	B.Sc	18PEUMA01	Financial Mathematics		✓			To enable the students to gain the knowledge about Financial Mathematics.
2018-19	B.Sc	18MAU15	Numerical Methods			✓		To enable the students to learn and gain knowledge about linear algebraic and transcendental equations and system of linear equations.
2018-19	B.Sc	18SEUMA2	Basics of Internet – <b>Practical</b>			✓		To enable the students to learn and gain knowledge about internet basics and MS Office
2018-19	B.Sc	18MAU13	Statistics – I				✓	To enable the students to understand mathematical aspects of statistics
2018-19	B.Sc	18MAU17	Statistics – II				✓	To enable the students to understand mathematical aspects of applied statistics

2018-19	B.Sc	18MAU23A	Operations Research-I				✓	To enable the students to learn decision making problems based on deterministic and parabolic models.
2018-19	B.Sc	18MAU23B	Discrete Mathematics - I				✓	To enable the students to learn and gain knowledge about the mathematical logic and algebraic structures, Lattices and Boolean Algebra.
2018-19	B.Sc	18SEUMA3	Web Programming – HTML and PHP - <b>Practical</b>				✓	To enable the students to learn and gain knowledge about HTML and PHP.
2018-19	B.Sc	18MAU28A	Operations Research –II				✓	To enable the students to understand various mathematical applications in industries-Decision making for real time environment.
2018-19	B.Sc	18MAU28B	Discrete Mathematics - II				✓	To enable the students to learn and gain knowledge about the Formal languages Automata Theory and Graph Theory .

2018-19	B.Sc	18MAU17	Statistics – II				✓	To enable the students to understand mathematical aspects of applied statistics
2018-19	B.Sc	18MAU23A1 8MAU23B	Operations Research-I				✓	To enable the students to learn decision making problems based on deterministic and parabolic models.
2018-19	B.Sc		Discrete Mathematics - I				✓	To enable the students to learn and gain knowledge about the mathematical logic and algebraic structures, Lattices and Boolean Algebra.
2018-19	B.Sc	18SEUMA3	Web Programming – HTML and PHP - Practical				✓	To enable the students to learn and gain knowledge about HTML and PHP.
2018-19	B.Sc	18MAU28A	Operations Research –II				✓	To enable the students to understand various mathematical applications in industries-Decision making for real time environment.
2018-19	B.Sc	18MAU28B	Discrete Mathematics - II				✓	To enable the students to learn and gain knowledge about the Formal languages Automata Theory and Graph Theory .

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## Courses focus on Global, National, Regional and Local Needs Academic Year: 2017-18

Year of Syllabus Revision	Programme	Code	Title of the Course	Need				Description
				Local	Regional	National	Global	
2017-18	B.Sc	17MAU27A	Latex	✓				To enable the students to learn and gain knowledge about the concepts of LaTeX and the LaTeX commands to write programs.
2017-18	B.Sc	17MAU27B	Graph Theory	✓				To enable the students to learn and gain knowledge about Graph Theory
2017-18	B.Sc	17SEUMA4	Latex– <b>Practical</b>	✓				To enable the students to get experienced about Typesetting Latex
2017-18	B.Sc	17PEUMA1	Financial Mathematics		✓			To enable the students to gain the knowledge about Financial Mathematics.
2017-18	B.Sc	17MAU13	Numerical Methods			✓		To enable the students to learn and gain knowledge about linear algebraic and transcendental equations and system of linear equations.
2017-18	B.Sc	17SEUMA2	Basics of Internet - <b>Practical</b>			✓		To enable the students to learn and gain knowledge about internet basics and MS Office
2017-18	B.Sc	17MAU11	Statistics - I				✓	To enable the students to understand mathematical aspects of statistics
2017-18	B.Sc	17MAU15	Statistics - II				✓	To enable the students to understand mathematical aspects of applied statistics
2017-18	B.Sc	17MAU21A /	Operations Research-I /				✓	To enable the students to learn decision making problems based on deterministic and parabolic models.

2017-18	B.Sc	17MAU21B	Discrete Mathematics - I				✓	To enable the students to learn and gain knowledge about the mathematical logic and algebraic structures, Lattices and Boolean Algebra.
2017-18	B.Sc	17SEUMA3	Web Programming HTML and PHP - Practical				✓	To enable the students to learn and gain knowledge about HTML and PHP.
2017-18	B.Sc	17MAU26A	Operations Research –II				✓	To enable the students to understand various mathematical applications in industries-Decision making for real time environment.
2017-18	B.Sc	17MAU26B	Discrete Mathematics - II				✓	To enable the students to learn and gain knowledge about the Formal languages Automata Theory and Graph Theory .

2017-18	B.Sc	17MAU21A/	Operations Research-I/				✓	To enable the students to learn decision making problems based on deterministic and parabolic models
2017-18	B.Sc	17MAU21B	Discrete Mathematics - I				✓	To enable the students to learn and gain knowledge about the mathematical logic and algebraic structures, Lattices and Boolean Algebra.
2017-18	B.Sc	17SEUMA3	Web Programming HTML and PHP - Practical				✓	To enable the students to learn and gain knowledge about HTML and PHP.
2017-18	B.Sc	17MAU26A	Operations Research –II				✓	To enable the students to understand various mathematical applications in industries-Decision making for real time environment.
2017-18	B.Sc	17MAU26B	Discrete Mathematics - II				✓	To enable the students to learn and gain knowledge about the Formal languages Automata Theory and Graph Theory .

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