

ನಮೂನೆ-2

(ಪ್ರಯೋಗ ಸಹಿತ ವಿಷಯಗಳು)

(ಭೌತಶಾಸ್ತ್ರ, ರಸಾಯನ ಶಾಸ್ತ್ರ, ಜೀವಶಾಸ್ತ್ರ, ಗಣಕ ವಿಜ್ಞಾನ, ವಿದ್ಯುನ್ಮಾನ ಶಾಸ್ತ್ರ, ಗೃಹವಿಜ್ಞಾನ)70+30

ವಿಷಯ: ಗಣಕ ವಿಜ್ಞಾನ

ಸಂಕೇತ: 41ತರಗತಿ :ಪ್ರಥಮ ಪಿಯುಸಿ

ಕ್ರ ಸಂ	ಅವಧಿ	ನಿಗದಿಪಡಿಸಿದ ಅಧ್ಯಾಯಗಳು	ನಿಗದಿಪಡಿಸಿದ ಪ್ರಾಯೋಗಿಕ ತರಗತಿಗಳು	ಅವಧಿಗಳು																								
1	ಮೊದಲ ಅವಧಿ 16.08.2021 ರಿಂದ 15.09.2021 ರವರೆಗೆ	<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Chapter Name</th> <th>Hours</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Overview of computer</td> <td>8 Hrs</td> <td>8</td> </tr> <tr> <td>2</td> <td>Input, Output and Memory devices</td> <td>8 Hrs</td> <td>6</td> </tr> <tr> <td>3</td> <td>Problem Solving Methodology (Introduction to Problem Solving Problem Definition Problem Analysis, Design Of a Solution, Algorithms)</td> <td>4 Hrs</td> <td>4</td> </tr> <tr> <td>4</td> <td>Spreadsheets (Spreadsheet applications (elementary level), Basics concepts of spreadsheet and otherfeatures such as, entering text, menus, commands, column width, copy, paste, to insert rows/columns,formatting, formula, print, sort, filter and other basic operations)</td> <td>9 Hrs</td> <td>5</td> </tr> <tr> <td></td> <td></td> <td>29</td> <td>23</td> </tr> </tbody> </table>	Sl. No.	Chapter Name	Hours	Marks	1	Overview of computer	8 Hrs	8	2	Input, Output and Memory devices	8 Hrs	6	3	Problem Solving Methodology (Introduction to Problem Solving Problem Definition Problem Analysis, Design Of a Solution, Algorithms)	4 Hrs	4	4	Spreadsheets (Spreadsheet applications (elementary level), Basics concepts of spreadsheet and otherfeatures such as, entering text, menus, commands, column width, copy, paste, to insert rows/columns,formatting, formula, print, sort, filter and other basic operations)	9 Hrs	5			29	23	<ol style="list-style-type: none"> 1. Spreadsheet – Salesmen report 2. Spreadsheet – Employee Salary 3. Spreadsheet – Result Declaration 4. Spreadsheet – Budget for the month 	29 Hrs
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2	1ನೇ ಕಿರುಪರೀಕ್ಷೆ 13-09-2021 ರಿಂದ 15-09-2021 ರವರೆಗೆ	ಮೊದಲ ಅವಧಿಯಲ್ಲಿ ಬೋಧಿಸಿದ ಪಠ್ಯವಸ್ತು ವಾರ್ಷಿಕ ಪರೀಕ್ಷೆಯ ಪ್ರಶ್ನೆಪತ್ರಿಕೆಯ ಮಾದರಿಯಲ್ಲಿಯೇ ಪರೀಕ್ಷೆಗಳು ನಡೆಯುವವು																																		
3	ಅಸೈನ್‌ಮೆಂಟ್-1	ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ತಾರ್ಕಿಕ ಚಿಂತನೆಗೊಳಿಸುವ ವಿಷಯಗಳನ್ನು ನೀಡುವುದು																																		
4	ಎರಡನೇ ಅವಧಿ 16-09-2021 ರಿಂದ 30-11-2021 ರವರೆಗೆ	<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Chapter Name</th> <th>Hours</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>Problem Solving Methodology (Flowcharts-Development Of Programs (Coding, testing, debugging) Documentation and Maintenance, Programming Constructs (Sequence, Selection and Iteration))</td> <td>6 Hrs</td> <td>3</td> </tr> <tr> <td>6</td> <td>Object oriented concepts</td> <td>2 Hrs</td> <td>2</td> </tr> <tr> <td>7</td> <td>Introduction to C++</td> <td>12 Hrs</td> <td>9</td> </tr> <tr> <td>8</td> <td>Data types</td> <td>2 Hrs</td> <td>2</td> </tr> <tr> <td>9</td> <td>Input and Output operators</td> <td>4 Hrs</td> <td>4</td> </tr> <tr> <td>10</td> <td>Spreadsheets (Some advanced features such as graphs, library functions (Arithmetic, Date and Time, Financial, Logical, text and statistical) With emphasis on commerce related applications and data forms with application to simple problems)</td> <td>6 Hrs</td> <td>6</td> </tr> <tr> <td></td> <td></td> <td>32</td> <td>26</td> </tr> </tbody> </table>	Sl. No.	Chapter Name	Hours	Marks	5	Problem Solving Methodology (Flowcharts-Development Of Programs (Coding, testing, debugging) Documentation and Maintenance, Programming Constructs (Sequence, Selection and Iteration))	6 Hrs	3	6	Object oriented concepts	2 Hrs	2	7	Introduction to C++	12 Hrs	9	8	Data types	2 Hrs	2	9	Input and Output operators	4 Hrs	4	10	Spreadsheets (Some advanced features such as graphs, library functions (Arithmetic, Date and Time, Financial, Logical, text and statistical) With emphasis on commerce related applications and data forms with application to simple problems)	6 Hrs	6			32	26	<p>5. C++ - Interchange values (2 Programs)</p> <p>6. C++ - Area and circumference of a circle</p> <p>7. C++ - Area of a triangle</p> <p>8. C++ - largest, smallest and second largest of three numbers</p>	32 Hrs
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5	ಅಸೈನ್‌ಮೆಂಟ್-2	ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ತಾರ್ಕಿಕ ಚಿಂತನೆಗೊಳಿಸುವ ವಿಷಯಗಳನ್ನು ನೀಡುವುದು																										
6	ಮಧ್ಯ ವಾರ್ಷಿಕ ಪರೀಕ್ಷೆ 20-11-2021 ರಿಂದ 30-11-2021 ರವರೆಗೆ	1 ಮತ್ತು 2ನೇ ಅವಧಿಯಲ್ಲಿ ಬೋಧಿಸಿದ ಒಟ್ಟು ಪಠ್ಯವಸ್ತುವನ್ನು ಆಧರಿಸಿ																										
7	ಮೂರನೇ ಅವಧಿ 01-12-2021 ರಿಂದ 30-01- 2022ರವರೆಗೆ	<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Chapter Name</th> <th>Hours</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>11</td> <td>Data Representation</td> <td>9 Hrs</td> <td>8</td> </tr> <tr> <td>12</td> <td>Software Concepts</td> <td>5 Hrs</td> <td>5</td> </tr> <tr> <td>13</td> <td>Problem Solving Methodology (Characteristics Of a Good Program, Types Of Errors Approaches to Problem Solving (Top-down, Bottom-up, Modular, Structured))</td> <td>5 Hrs</td> <td>4</td> </tr> <tr> <td>14</td> <td>Control Statements</td> <td>10 Hrs</td> <td>11</td> </tr> <tr> <td></td> <td></td> <td>29</td> <td>28</td> </tr> </tbody> </table>	Sl. No.	Chapter Name	Hours	Marks	11	Data Representation	9 Hrs	8	12	Software Concepts	5 Hrs	5	13	Problem Solving Methodology (Characteristics Of a Good Program, Types Of Errors Approaches to Problem Solving (Top-down, Bottom-up, Modular, Structured))	5 Hrs	4	14	Control Statements	10 Hrs	11			29	28	<p>9. C++ - lower case or uppercase character</p> <p>10. C++ - Result Declaration</p> <p>11. C++ - sum of all the digits of a number</p> <p>12. C++ - factorial of a number</p>	29 Hrs
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8	2ನೇ ಕಿರು ಪರೀಕ್ಷೆ 28-01-2022 ರಿಂದ 31-01-2022 ರವರೆಗೆ	3ನೇ ಅವಧಿಯಲ್ಲಿ ಬೋಧಿಸಿದ ಪಠ್ಯವಸ್ತು																										

9	ನಾಲ್ಕನೇ ಅವಧಿ 01-02-2022 ರಿಂದ 31-03- 2022ರವರೆಗೆ	<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Chapter Name</th> <th>Hours</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>15</td> <td>Arrays</td> <td>8 Hrs</td> <td>9</td> </tr> <tr> <td>16</td> <td>Functions</td> <td>2 Hrs</td> <td>2</td> </tr> <tr> <td>17</td> <td>User defined Functions</td> <td>8 Hrs</td> <td>6</td> </tr> <tr> <td>18</td> <td>Structures</td> <td>2 Hrs</td> <td>3</td> </tr> <tr> <td>19</td> <td>Word Processing</td> <td>5 Hrs</td> <td>3</td> </tr> <tr> <td>20</td> <td>Web Designing</td> <td>5 Hrs</td> <td>5</td> </tr> <tr> <td></td> <td></td> <td>30</td> <td>28</td> </tr> </tbody> </table>	Sl. No.	Chapter Name	Hours	Marks	15	Arrays	8 Hrs	9	16	Functions	2 Hrs	2	17	User defined Functions	8 Hrs	6	18	Structures	2 Hrs	3	19	Word Processing	5 Hrs	3	20	Web Designing	5 Hrs	5			30	28	<p>13. C++ - sum and average of "N" numbers</p> <p>14. C++ - Second Largest of 'n' numbers in an array</p> <p>15. C++ - GCD and LCM of two numbers using functions</p> <p>16. HTML - display your details using differenttags</p> <p>17. HTML - model Web site for your college making using differenttags</p>	30 Hrs
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10	ವಾರ್ಷಿಕ ಪರೀಕ್ಷೆ 24-03-2022 ರಿಂದ 30-03-2022	ಪೂರ್ಣ ಪ್ರಮಾಣದ ಪಠ್ಯವಸ್ತು																																		