



MAYO COLLEGE
Academic Curriculum - 2021-22
Subject – Computer Science
CLASS – XII

ASSESSMENT 1	ASSESSMENT 2	HALF YEARLY	PRE BOARDS
<p>Computational Thinking & Programming</p> <ul style="list-style-type: none">• Revision of Python topics covered in Class XI• Functions Recursion	<p>Computational Thinking & Programming</p> <ul style="list-style-type: none">• Introduction to files• Text file• Binary file• CSV file• Python libraries• Idea of efficiency• Data Structure	<p>Computer Networks</p> <ul style="list-style-type: none">• Evolution of networking• Data communication terminologies• Transmission media• Network devices• Network topologies and Network types• Network protocol• Mobile telecommunication technologies• Introduction to web services	<p>Computational Thinking & Programming</p> <ul style="list-style-type: none">• Revision of Python topics covered in Class XI• Functions Recursion



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ASSESSMENT 1	ASSESSMENT 2	HALF YEARLY	FINALS
Computer Systems and Organization <ul style="list-style-type: none">• Basic Computer Organization• Types of software• Operating system• Boolean logic and Number System• Encoding schemes Emerging trends	Computational Thinking & Programming <ul style="list-style-type: none">• Introduction to problem solving• Basics of Python programming• Knowledge of data types• Operators and Expressions• Flow of control• Conditional statements<ul style="list-style-type: none">• Iterative statements	Computational Thinking & Programming <ul style="list-style-type: none">• Strings• Lists and Tuple• Dictionary in Python• Sorting techniques• Introduction to Python modules	Society, Law and Ethics <ul style="list-style-type: none">• Digital Footprints• Digital society and Netizen• Data protection• Cyber-crime and Cyber safety• Safely accessing web sites• E-waste management• Indian IT Act Technology & Society
	Python Practical Record Book <ul style="list-style-type: none">• Basic Programs• Logical Programs	Python Practical Record Book <ul style="list-style-type: none">• Programs• Dictionary based Programs	