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SITAPUR ROAD LUCKNOW

Session – 2019-20

Subject – Computer Applications

Syllabus : Class – Xth



Sr. No.	Month	Topic/Content
1	April'19	THEORY Unit 1: Networking Internet: World Wide Web, web servers, web clients, web sites, web pages, web browsers, blogs, news groups, HTML, web address, e-mail address, downloading and uploading files from a remote site. Internet protocols: TCP/IP, SMTP, POP3, HTTP, HTTPS. Remote login and file transfer protocols: SSH, SFTP, FTP, SCP, TELNET, SMTP, TCP/IP. PRACTICALS Creating Blog with different types of information.
2	May'19	Unit 1: Networking (continued.....) THEORY Services available on the internet: information retrieval, locating sites using search engines and finding people on the net; Web services: chat, email, video conferencing, e-Learning, e-Banking, e-Shopping, e-Reservation, e-Governance, e-Groups, social networking. Mobile technologies: SMS, MMS, 3G, 4G.
3	July'19	Unit 2: HTML THEORY Introduction to web page designing using HTML: create and save an HTML document, access a web page using a web browser. HTML tags: html, head, title, body, (attributes: text, background, bgcolor, link, vlink, alink), br (break), hr(horizontal rule), inserting comments, h1..h6 (heading), p (paragraph), b (bold), i (italics), u (underline), ul (unordered list), ol (ordered list), and li (list item). Description lists: dl, dt and dd. Attributes of ol (start, type), ul (type). Font tags (attributes: face, size, color). Insert images: img (attributes: src, width, height, alt), sup (super script), Sub (subscript). PRACTICALS Create static web pages. Use style sheets to enforce a format in an HTML (CSS). Decorate web pages using graphical elements. Create a website using several web pages. Create a web page discussing plagiarism. List some reported cases of plagiarism and the consequent punishment meted out. Explain the nature of the punishment in different countries as per their IP laws.

		PERIODIC TEST-I
4	August'19	<p align="center">THEORY</p> <p>Unit 2: HTML (Continued.....)</p> <p>HTML Forms: Textbox, radio buttons, checkbox, password, list, combobox. Embed audio and video in a HTML page.</p> <p>Create a table using the tags: table, tr, th, td, rowspan, colspan</p> <p>Links: significance of linking, anchor element (attributes: href, mailto), targets. Cascading style sheets: colour, background-colour, border-style, margin, height, width, outline, font (family, style, size), align, float.</p> <p align="center">PRACTICALS</p> <p>Embed pictures, audio and videos in an HTML page. Add tables and frames</p> <p>In an HTML page. Work with HTML forms: text box, radio buttons, checkbox</p> <p>Password, list, combo box.</p>
5	September'19	<p>Unit 3: Cyber ethics</p> <p align="center">THEORY</p> <p>Netiquettes.</p> <p>Software licenses and the open source software movement.</p> <p>Intellectual property rights, plagiarism and digital property rights.</p> <p>Freedom of information and the digital divide.</p> <p>E-commerce: Privacy, fraud, secure data transmission.</p>
	October'19	HALF YEARLY EXAMINATION
6	November'19	<p>Unit 4: Python</p> <p align="center">THEORY</p> <p>Revision of Python basics</p> <p>Conditionals: if, if-else statements</p> <p>Loops: for, while (e.g., sum of first 10 natural numbers)</p> <p>Practice simple programs</p> <p align="center">PRACTICALS</p> <p>Number and calculation based programming in Python language.</p>
7	December'19	<p align="center">REVISION & MAKING REPORT FILE/PROJECT FILE</p> <p>Report file: At least 10 HTML pages, and at least 5 Python programs.</p> <p>Project (that uses most of the concepts that have been learnt)</p>

Breakup of Marks for the Practical's:

S. No.	Unit Name	Marks
1.	Lab Test (30 marks)	
	HTML (design one web page based on a diagram)	15
	Scratch or Python (write one program)	15
2.	Report File + viva (25 marks)	
	Report file: At least 10 HTML pages, and at least 5 Scratch/Python programs.	20
	Viva voce (based on the report file)	5
3.	Project (that uses most of the concepts that have been learnt)	15

