WEB APPLICATION (803)
SESSION-2019-20
JOB ROLE: Web Developer

The present course curriculum offers an opportunity for students to understand the basics of computer software and hardware for working efficiently on computer. A web application is a computer programme that allows you to log-in to a web address in order to submit and retrieve data to/from a database over the internet, these programmes are developed using web technologies such as HTML, CSS, JS etc.

Class XII (2019-20)

Total Marks: 100 (Theory-60+Practical-40)

SCHEME OF UNITS

This course is a planned sequence of instructions consisting of units meant for developing employability and vocational competencies of students of Class XII opting for vocational subject along with general education subjects. The unit-wise distribution of hours and marks for class XII is as follow:

	Units	No. of Periods for Theory and Practical 260		Max. Marks for Theory and Practical 100
Part A	**Employability Skills**			
	Unit 1 : Communication Skills-IV	10		10
	Unit 2 : Self-Management Skills-IV	10		
	Unit 3 : Information and Communication Technology Skills-IV	10		
	Unit 4 : Entrepreneurial Skills-IV	15		
	Unit 5 : Green Skills-IV	05		
	Total	**50**		**10**
Part B		**Theory Periods**	**Practical Periods**	**Marks**
	Unit 1– Movie Editing Tools	10	25	10
	Unit 2 – Customizing and Embedding Multimedia Components in Web Pages.	25	20	12
	Unit 3 – Web Scripting – Java Script	30	60	20
	Unit 4 – Work Integrated Learning IT – WA-II.	20	20	8
	Total	**85**	**125**	**50**
Part C	**Practical Work**			
	Practical Examination			15
	Written Test			10
	Viva Voce			05
	Total			**30**
Part D	**Project Work/Field Visit**			
	Practical File/ Student Portfolio			10
	Total			**10**
	Total Periods	**50+85+125=260**	**Total Marks**	**100**

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Note:-Detailed Curriculum/ Topics to be covered under employability skill can be downloaded for CBSE website.

Part-B

Details of Units

	Unit Title	Total Marks

Unit-1	**Movie Editing Tools**.
	     Familiarization of Interface Components.
	     Importing Pictures.
	     Importing Audio and Video Files.
	     Splitting and Joining Movie Clips.
	     Adding Titles and publishing
		10

Unit-2	**Customizing and Embedding Multimedia components in Web Pages.**
	     Compatible Multimedia file formats for Web Pages.
	     Embedding Audio file.
	     Embedding Video file.
	     Embedding Flash file.
		12

Unit- 3	**Web Scripting – Java Script.**
	     Java Script review.
	     Functions – user defined.
	     String Object.
	     Math Object.
	     Array Object.
	     Events
	     Case Studies.
		20

Unit-4	**Work Integrated Learning IT – WA-II.**
	     Advanced Features of Web Design.
	     Code view, Add-ins / Snippets and Page Transitions.
	     Dynamic Web templates.
	     SEO - Search Engine Optimization.
	     Forms - Advanced.
	     Publishing webpages or websites-I.
	     Publishing webpages or websites-II.
	     Authoring tools.
	     CSS templates.
		8

	Total	**50**

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Practical   **Marks: 40**

Details	Marks Distributions
Programs / Practical Questions Movie Editing Tools **(10 Marks).** Customizing and Embedding, Multimedia, Components in Web Pages **(10 Marks)**. Web Scripting - Java Script (**5 Marks)**.	25
Project / Practical File	10
Viva Voce	05
Total	**40**