

CBSE | DEPARTMENT OF SKILL EDUCATION
CURRICULUM FOR SESSION 2020-2021

INFORMATION TECHNOLOGY (SUB.CODE-802)

JOB ROLE: DOMESTIC IT HELPDESK ASSISTANT

RATIONALIZED CURRICULUM FOR CLASS XII
SESSION 2020-2021

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

	UNITS	NO. OF HOURS for Theory and Practical		MAX. MARKS for Theory and Practical
Part A	Employability Skills			
	Unit 1: Communication Skills- IV	10		10
	Unit 2: Self-Management Skills- IV	10		
	Unit 3: ICT Skills- IV	10		
	Unit 4: Entrepreneurial Skills- IV	15		
	Unit 5: Green Skills- IV	05		
	Total	50		10
Part B	Subject Specific Skills	Theory	Practical	Marks
	Unit -1 : Database Concepts – RDBMS Tool	30	45	10
	Unit -2 : Operating Web Based Applications	15	20	12
	Unit -3: JAVA - Fundamentals of Java programming, Introduction to Java, Object Oriented Programming, Java Language Elements, Operators, Control Flow, Array, Class Design, Exception Handling, Assertions, Threads, Wrapper Classes, String Manipulation.	30	50	20
	Unit -4: Work Integrated Learning IT – DMA	10	10	8
		Total	85	125
Part C	Practical Work			
	Practical Examination			15
	Written Test			10
	Viva Voce			5
		Total		
Part D	Project Work/ Field Visit			
	Practical File/ Student Portfolio			10
		Total		
	GRAND TOTAL		260	100

DETAILED CURRICULUM/TOPICS FOR CLASS XII:

Part-A: EMPLOYABILITY SKILLS

S. No.	Units	Duration(in Hours)
1.	Unit 1: Communication Skills- IV	10
2.	Unit 2: Self-management Skills- IV	10
3.	Unit 3: Information and Communication Technology Skills- IV	10
4.	Unit 4: Entrepreneurial Skills- IV	15
5.	Unit 5: Green Skills- IV	05
TOTAL DURATION		50

NOTE: For Detailed Curriculum/ Topics to be covered under Part A: Employability Skills can be downloaded from CBSE website.

Part-B – SUBJECT SPECIFIC SKILLS

- Unit -1 : Database Concepts – RDBMS tool
- Unit -2 : Operating Web Based Applications
- Unit-3 : JAVA - Fundamentals of Java programming, Introduction to Java, Object Oriented Programming, Java Language Elements, Operators, Control Flow, Array, Class Design, Exception Handling, Assertions, Threads , Wrapper Classes, String Manipulation.
- Unit-4: Work Integrated Learning IT – DMA

DETAILED CURRICULUM:

UNIT	TOPICS/ SUB-TOPICS	MARKS
UNIT 1	DATABASE CONCEPTS – RDBMS TOOL <ul style="list-style-type: none">• Basics of RDBMS.• SQL – Creating and Opening Database.• Creating and populating tables.• Modifying the content and structure of table.• Ordering and Grouping.• Operating with multiple tables.*	10
UNIT 2	Operating Web Based Applications <ul style="list-style-type: none">• Online Reservation Systems.• E-Governance.• Online Shopping and Bill payments.• Online Tutorials and Tests.• Project Management – Web Based Application development.• Project essentials and tips.• Case Study - Online Game.*• Case Study - Online Quiz.*• Case Study – Online Bill Calculator.*	12

(*NOTE: To be assessed in Practicals only. No question shall be asked from this portion in Theory Exams)

UNIT 3	Fundamentals of Java programming, Introduction to Java, Object <ul style="list-style-type: none"> • Oriented Programming, • Java Language Elements, • Operators, • Control Flow, • Array, • Class Design, • Exception Handling, • Assertions*, • Threads*, • Wrapper Classes, • String Manipulation 	20
UNIT 4	Work Integrated Learning IT – DMA <ul style="list-style-type: none"> • Identification of Work Areas. • Work Experience. 	8
	TOTAL	50

(* NOTE: To be assessed in Practicals only. No question shall be asked from this portion in Theory Exams)

Practical:

40 Marks

DETAILS	MARKS
Programs / Practical Questions. <ul style="list-style-type: none"> • SQL Queries (10 Marks). • JAVA Programs (10 Marks). • Operating Web Based Application (5 Marks). 	25
Project / Practical File	10
Viva Voce	5
Total	40

(* NOTE: To be assessed in Practicals only. No question shall be asked from this portion in Theory Exams)