

NVEQ IT Level 3 (Class XI): IT Tools

(Paper-I)
Total Marks: - 100
(Knowledge- 50: Practical-50)

Unit Code	Unit Title	Total Hours
ITDC -301	Computer Organization & OS: User perspective - Understanding of Hardware - Basics of Operating System	15
ITDC -302	Networking and internet - Network Safety concerns - Network Security tools and services - Cyber Security - Safe practices on Social networking	10
ITDC -303	Office automation tools: - Spreadsheet - Word processing - Presentation	40
ITDC-304	Multi Media Design: (Open Source Design Tools) - Interface and Drawing Tools in GIMP - Applying Filters - Creating and handling multiple layers - Using Stamping and Smudging tools - Importing pictures	35
ITDC -305	Troubleshooting: Hardware, Software and Networking - Commonly encountered problems (Monitor: No display, KB/Mouse not responding, monitor giving beeps, printer not responding, check for virus, Delete temporary files if system is slow, adjust mouse speed)	10
ITDC -306	Work Integrated Learning IT - ISM - Identification of Work Areas - Work Experience	14
		124

NVEQ IT Level 3 (Class-XI): Web Applications- I

(Paper-II)
Total Marks:- 100
(Knowledge- 50: Practical-50)

Unit Code	Unit Title	Total Hours
ITDC-310	Multimedia Authoring- Animation Tools • Animation Concepts • Frames and Layers • Motion and Shape, Tweening • Importing AV Files • Publishing	30
ITDC-311	Digital Content Creation- Adding Styles to Web Pages (CSS) • Review of HTML • Adding Style Sheets • External style sheets • CSS Properties – border, box, font, margin, padding • CSS classes	30
ITDC-312	Web Scripting- JavaScript • Creating interactive Web Pages with scripts • Variables and Operators • Decision making using if and switch • Iterations - loops • Window Object • Location Object • History Object • Popup Boxes – alert, confirm	50
ITDC -313	Work Integrated Learning IT – WA-I • Identification of Work Areas • Work Experience	14
		124

NVEQ IT Level 4(Class XII): Data Management Applications (Code: - 795)

(Paper-I)
Total Marks:- 100
(Knowledge- 50: Practical-50)

Unit Code	Unit Title	Total Hours
ITDC -401	Database Concepts – RDBMS Tool - 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	50
ITDC-402	Operating Web Based Applications - 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	30
ITDC-403	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
ITDC-404	Work Integrated Learning IT – DMA - Identification of Work Areas - Work Experience	14
		124

NVEQ IT Level 4 (Class XII): Web Applications II (Code:-796)

(Paper-II)
Total Marks:- 100
(Knowledge- 50: Practical-50)

Unit Code	Unit Title	Total Hours
ITDC-410	Movie Editing Tools • Familiarization of interface components • Importing pictures • Importing Audio and Video Files • Splitting and Joining Movie Clips • Adding Titles and publishing •	40
ITDC-411	Customizing and Embedding Multimedia components in Web Pages • Compatible Multimedia file formats for Web Pages • Embedding Audio file • Embedding Video file • Embedding Flash file	40
ITDC-412	Web Scripting – Java Script • Java Script review • Functions – user defined • String Object • Math Object • Array Object • Events • Case Studies	30
ITDC-413	Work Integrated Learning IT – WA-II • Identification of Work Areas • Work Experience	14
		124