

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 <ul style="list-style-type: none"> • Understanding of Hardware • Basics of Operating System 	15
ITDC -302	Networking and internet <ul style="list-style-type: none"> • Network Safety concerns • Network Security tools and services • Cyber Security • Safe practices on Social networking 	10
ITDC -303	Office automation tools: <ul style="list-style-type: none"> • Spreadsheet • Word processing • Presentation 	40
ITDC-304	Multi Media Design: (Open Source Design Tools) <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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) <ul style="list-style-type: none"> • Review of HTML • Adding Style Sheets • External style sheets • CSS Properties – border, box, font, margin, padding • CSS classes 	30
ITDC-312	Web Scripting- JavaScript <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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 <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 	50
ITDC-402	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 	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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Compatible Multimedia file formats for Web Pages • Embedding Audio file • Embedding Video file • Embedding Flash file 	40
ITDC-412	Web Scripting – Java Script <ul style="list-style-type: none"> • Java Script review • Functions – user defined • String Object • Math Object • Array Object • Events • Case Studies 	30
ITDC-413	Work Integrated Learning IT – WA-II <ul style="list-style-type: none"> • Identification of Work Areas • Work Experience 	14
		124