

**GCST**

# OCR J277

## TOPIC CHECKLIST

**GCSE**

**OCR**

Specific knowledge required for 1.1 Systems Architecture	Need to Revise	Revised Once	Got it!
The purpose of the CPU	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Von Neumann architecture:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MAR (Memory Address Register)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MDR (Memory Data Register)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Program Counter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Accumulator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Common CPU components and their function:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ALU (Arithmetic Logic Unit)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CU (Control Unit)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cache	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The function of the CPU as fetch and execute instructions stored in memory	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>How common characteristics of CPUs affect their performance:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
clock speed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
cache size	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
number of cores	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Embedded systems:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
purpose of embedded systems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
examples of embedded systems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Specific knowledge required for 1.2 Memory & Storage	Need to Revise	Revised Once	Got it!
<b>The need for primary storage</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The difference between RAM and ROM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The purpose of ROM in a computer system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The purpose of RAM in a computer system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The need for virtual memory	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>The need for secondary storage</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Common types of storage:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
optical	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
magnetic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
solid state	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Suitable storage devices and storage media for a given application</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The advantages and disadvantages of different storage devices and storage media relating to these characteristics:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
capacity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
speed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
portability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
durability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
reliability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
cost	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Specific knowledge required for 1.2 Memory & Storage	Need to Revise	Revised Once	Got it!
<b>Units:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
bit, nibble, byte, kilobyte, megabyte, gigabyte, terabyte, petabyte	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
how data needs to be converted into a binary format to be processed by a computer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data capacity and calculation of data capacity requirements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Numbers:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
how to convert positive denary whole numbers (0–255) into 8 bit binary numbers and vice versa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
how to add two 8 bit binary integers and explain overflow errors which may occur	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
binary shifts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
how to convert positive denary whole numbers (0–255) into 2 digit hexadecimal numbers and vice versa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
how to convert from binary to hexadecimal equivalents and vice versa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Characters:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
the use of binary codes to represent characters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
the term 'character-set'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
the relationship between the number of bits per character in a character set and the number of characters which can be represented (for example ASCII and Unicode).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Images:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
how an image is represented as a series of pixels represented in binary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
metadata included in the file	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
the effect of colour depth, resolution on the size, quality of an image file.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Sound:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
how sound can be sampled and stored in digital form	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
how sampling intervals and other factors affect the size of a sound file and the quality of its playback:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
sample size	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
bit rate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
sampling frequency	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Compression:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
need for compression	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
types of compression:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
lossy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
lossless	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Specific knowledge required for 1.3 Computer Networks	Need to Revise	Revised Once	Got it!
<b>Types of networks:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LAN (Local Area Network)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WAN (Wide Area Network)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Factors that affect the performance of networks</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>The different roles of computers in a client-server and a peer-to-peer network</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>The hardware needed to connect stand-alone computers into a Local Area Network:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
wireless access points	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
routers/switches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NIC (Network Interface Controller/Card)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
transmission media	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>The internet as a worldwide collection of computer networks:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DNS (Domain Name Server)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
hosting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
the cloud	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Web servers and clients	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Star and Mesh network topologies</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Modes of connection:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Wired</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ethernet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Wireless</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wi-Fi	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bluetooth	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Encryption	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The uses of IP addressing, MAC addressing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Common protocols including:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TCP/IP (Transmission Control Protocol/Internet Protocol)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HTTP (Hyper Text Transfer Protocol)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HTTPS (Hyper Text Transfer Protocol Secure)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FTP (File Transfer Protocol)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
POP (Post Office Protocol)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IMAP (Internet Message Access Protocol)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SMTP (Simple Mail Transfer Protocol)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>the concept of layers</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Specific knowledge required for 1.4 System security	Need to Revise	Revised Once	Got it!
<b>Forms of attack</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Threats posed to networks:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
malware	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
phishing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
people as the 'weak point' in secure systems (social engineering)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
brute force attacks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
denial of service attacks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
data interception and theft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
the concept of SQL injection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Identifying and preventing vulnerabilities:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
penetration testing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
anti-malware software	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
firewalls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
user access levels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
passwords	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
encryption.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Physical security	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Specific knowledge required for 1.5 Systems software	Need to Revise	Revised Once	Got it!
<b>The purpose and functionality of operating systems</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Operating systems:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
user interface	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
memory management/multitasking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
peripheral management and drivers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
user management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
file management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The purpose and functionality of utility software	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Utility system software:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
encryption software	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
defragmentation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
data compression	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Specific knowledge required for 1.6 Ethics	Need to Revise	Revised Once	Got it!
<b>Impacts of digital technology on wider society including:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ethical issues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
legal issues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
cultural issues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
environmental issues.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
privacy issues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Legislation relevant to Computer Science:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The Data Protection Act 1998	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Computer Misuse Act 1990	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Copyright Designs and Patents Act 1988	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Software licences (Open source vs proprietary software)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Specific knowledge required for 2.1 Algorithms	Need to Revise	Revised Once	Got it!
<b>Computational thinking:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
abstraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
decomposition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
algorithmic thinking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Identify the inputs, processes, and outputs for a problem	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Structure diagrams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Create, interpret, correct, complete, and refine algorithms using:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pseudocode / Reference language / high level programming language	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flowcharts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Identify common errors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trace tables	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Standard searching algorithms:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
binary search	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
linear search	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Standard sorting algorithms:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
bubble sort	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
merge sort	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
insertion sort	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Specific knowledge required for 2.2 Programming Fundamentals	Need to Revise	Revised Once	Got it!
The use of variables, constants, operators, inputs, outputs and assignments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>The use of the three basic programming constructs used to control the flow of a program:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
selection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
iteration (count and condition controlled loops)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The common arithmetic operators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The common Boolean operators AND, OR and NOT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>The use of data types:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
integer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
real	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boolean	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
character and string	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
casting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Applying computing-related mathematics:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
+	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
/	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exponentiation (^)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DIV	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The use of basic string manipulation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>The use of basic file handling operations:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
open	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
read	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
write	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
close	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
the use of records to store data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
the use of SQL to search for data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
the use of arrays (or equivalent) when solving problems, including both one and two dimensional arrays	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
How to use sub programs (functions and procedures) to produce structured code	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Random number generation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Specific knowledge required for 2.3 Producing robust programs	Need to Revise	Revised Once	Got it!
<b>Defensive design considerations:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
input validation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
anticipating misuse	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
authentication	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Maintainability:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Use of subprograms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Naming conventions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
comments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
indentation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>The purpose of testing</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Types of testing:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
iterative	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
final/terminal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
How to identify syntax and logic errors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Selecting and using suitable test data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Normal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boundary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Invalid / Erroneous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Refining algorithms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Specific knowledge required for 2.4 Boolean logic	Need to Revise	Revised Once	Got it!
Simple logic diagrams using the operations AND, OR and NOT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Truth tables	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Combining Boolean operators using AND, OR and NOT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Applying logical operators in appropriate truth tables to solve problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Specific knowledge required for 2.5 Programming languages & IDEs	Need to Revise	Revised Once	Got it!
<b>Characteristics and purpose of different levels of programming language:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
High level languages	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Low level languages	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The purpose of translators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The characteristics of an assembler, a compiler and an interpreter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Common tools and facilities available in an integrated development environment (IDE):</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
editors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
error diagnostics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
run-time environment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
translators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**If you found this  
useful, drop a follow  
to help me out!**

**THANK YOU!**

**GCST**