

Year 11 Recall Checklist September 2022

Component 1

1.1 System Architecture: CPU, registers, ALU, CU, cache, clock speed, embedded.

1.2 Memory & Storage: RAM, ROM, units of measurement, types of storage, binary conversion, overflow error, characters, bitmap images, file size (mb into gb)

1.3 Computer networks, connections and protocols: LAN, topologies, network hardware, performance factors, protocols, application layer, encryption methods inc asymmetric

1.4 Network security: Social engineering, brute force attack

1.5 Systems software: System software, functions of an os, compression (lossy)

1.6 Ethical, legal, cultural and environmental impacts of digital technology



Component 2

2.1 Algorithms: Definition of decomposition

2.2 Programming fundamentals: arithmetic operators (+, -, *, /, //, **, %), data types, use of print to output and input to allow keyboard use. Identification of variable.

2.4 Boolean logic – AND, OR, NOT gates.

2.5 Programming languages: machine code, high-level language, translators,

Website link

tinyurl.com/3jnnj3za