**Computer Science Theory – Guidelines**

* **Understand** the topic by using the materials provided, then
* **Summarise** your understanding in notes & images.

All pages must be numbered, 1 to 40 with one topic per page, per week.

Each homework must meet the following 5 requirements:

1. Write the complete **title and date in full** eg. *Tuesday 12th September 2017* on each page, **underlined**
2. You should include a **minimum of words** to summarise the topic. Do not copy the words from the text.
3. Make **full use of the page** for each topic by scaling your notes & images appropriately to use of all the space.
4. You must include **diagrams, sketches** or **cartoon doodles** to visually represent the topic, try to use humour.
5. **Highlight key words** and phrases, using underline, highlighter pens. Explain technical terms.

Visit the MOOC at **http://courses.exa.foundation** as it has links to page numbers and online resources that will help you.

|  |  |
| --- | --- |
| **Page** | **List of topics.**  |
| 1 | Systems architecture (1) |
| 2 | Systems architecture (2) |
| 3 | Systems architecture (3) |
| 4 | Systems architecture (4) |
| 5 | Systems architecture (5) |
| 6 | Memory (1) |
| 7 | Memory (2) |
| 8 | Memory (3) |
| 9 | Storage |
| 10 | Wired and wireless networks (1) |
| 11 | Wired and wireless networks (2) |
| 12 | Wired and wireless networks (3) |
| 13 | Wired and wireless networks (4) |
| 14 | Network topologies, protocols and layers (1) |
| 15 | Network topologies, protocols and layers (2) |
| 16 | Network topologies, protocols and layers (3) |
| 17 | Network topologies, protocols and layers (4) |
| 18 | Network topologies, protocols and layers (5) |
| 19 | System security (1) |
| 20 | System security (2) |
| 21 | Systems software (1) |
| 22 | Systems software (1) |
| 23 | Ethical, legal, cultural and environmental concerns (1) |
| 24 | Ethical, legal, cultural and environmental concerns (2) |
| 25 | Ethical, legal, cultural and environmental concerns (3) |
| 26 | Computational Logic (1) |
| 27 | Computational Logic (2) |
| 28 | Computational Logic (3) |
| 29 | Translators and facilities of languages (1) |
| 30 | Translators and facilities of languages (2) |
| 31 | Translators and facilities of languages (3) |
| 32 | Data representation (1) |
| 33 | Data representation (2) |
| 34 | Data representation (3) |
| 35 | Data representation (4) |
| 36 | Data representation (5) |
| 37 | Data representation (6) |
| 38 | Data representation (7) |
| 39 | Data representation (8) |
| 40 | Data representation (9) |