1. 1. What core principals embodied in Babbage’s Analytical engine exist in today’s computers ?
   * Having an input and an output system plus a memory are still used up to today

1. 2. How has the General User Interface (GUI) between humans and computers changed over the period 1940’s to today ?
   * in the 1940’s Dials and punch cards were used which was later replaced with screen and mouse and etc.

1. 3. How has the application areas for computers changed over the period 1940’s-today ?
   * At the beginning computers were used only to do basic computations and algorithms such as determining the design of hydrogen bomb or weather predictions. Now a days entertainment and graphics has also been added to its applications

1. 4. What factors have contributed to widening and democratising the application areas market for computers?
   * The abstraction of machine language and the drop in cost and the improvements in GUI

1. 5. How did the PC improve the human GUI (General User Interface) ?
   * Image processing was the first step ,mouse and other devices that were made later on made a smaller yet significant improvement.

1. 6. How important is power and weight in computing ?
   * Without it the current life style wouldn’t be possible, for instance mobile devices and internet of things wouldn’t have been made in such scales if it wasn’t for light low-power chips
2. 7. What is a microprocessor

* + an integrated circuit that contains all the functions of a central processing unit of a computer (google ditionary)

1. 8. Who are the top 3 chip companies in the world by revenue ?
   * Intel.
   * Samsung.
   * Taiwan Semiconductor.(Wikipedia)

1. 9. What are the name of some of the chips that they make ?
   * Intel Core i5 / i7 H Series
   * Exynos (ARM based)
   * N7+, N7, and N6(Wikipedia)

1. 10. Do any of the chips have special purposes ?
   * Exynos is used in mobile phones

* 11. ARM is a chip company but it doesn’t make chips . What does it sell ?
  + Only sell IP(intellectual property)

1. 12. What computer applications require low power ?

* + Phone and other mobiles and also internet of things

1. 13. Modern computers consume three to four orders of magnitude less energy than they did 60 years ago. Is energy consumption still a problem ?
   * Yes Because the battery capacity isn’t powerful enough to keep up with development of processors

1. 14. What is Cloud computing ?
   * the practice of using a network of remote servers hosted on the Internet to store, manage, and process data, rather than a local server or a personal computer.

1. 15. What technological advances have made Cloud computing viable ?
   * Decrease in the price of a byte of data plus the high demand