Grade 10 | Information & Communication Technology | MCQ Paper

1. Which of the following is/are useful to consider when purchasing a computer? (2015)
   - A - brand reputation of the computer
   - B - vendor (seller) reputation
   - C - warranty period of the computer
   1) A only.
   2) B only.
   3) A and B only.
   4) All A, B and C

2. What was the effect when vacuum tubes were replaced by transistors and later transistors were replaced by integrated circuits in the CPU? (2016)
   1) Both processing power and electricity consumption increased
   2) Processing power increased while electricity consumption decreased
   3) Processing power decreased while electricity consumption increased
   4) Both processing power and electricity consumption decreased

3. Nimal is writing a computer programme to create a graph to show the number of Dengue cases for the last five years. Input, process and output related to the programme are given in the steps A to D below but not in the correct order. (2016)
   A - Show the graph for the total number of Dengue cases for the last five years
   B - Number of Dengue cases for each year
   C - Current year
   D - Calculate the total number of Dengue cases for the last five years.
   Which of the following correctly shows the input, process and output?
   1) Inputs : A and B   process : C   output: D
   2) Inputs : B and C   process : D   output: A
   3) Input : B   processes : C and D   output: A
   4) Inputs : B and D   process : A   output: C

4. Consider the following statement. (2016)
   A - A student obtains medical advice from a doctor by contacting him over the telephone.
   B - An automated system, based on the humidity and temperature releases water to plants in a greenhouse.
   C - A teacher purchases a book which is not available in Sri Lanka, from an online book shop.
   Which of the above use the information and Communication Technology (ICT) effectively?
   1) A and B only
   2) A and C only
   3) B and C only
   4) All A, B and C

5. Consider the following scenarios. (2017)
   A - Obtaining a copy of an original birth certificate online.
   B - Paying water bills online using the website of the National Water Supply and Drainage Board
   C - Obtaining the revenue license for a vehicle online
   Which of the above are e-government related services?
   1) A and B only.
   2) A and C only.
   3) B and C only.
   4) All A, B and C

6. A person inserts his Automatic Teller Machine (ATM) card into a bank ATM and enters the pin code. Then he enters the amount of money he wants to withdraw. After checking the available balance in the account, the ATM dispenses the money, updates the balance and displays the new balance. (2018)
   Which of the following, lists an input, a process and an output in the given scenario respectively?
   1) amount of money to withdraw, new balance, money
   2) amount of money to withdraw, updating the balance, new balance
   3) new balance, pin code, amount of money to withdraw
   4) updating the balance, pin code, new balance

7. Which of the following occurred during the evolution of computer technology from the first generation to the current? (2018)

   A – processing power of computer increased

   B - number of transistors per square centimeter in the CPU increased

   C - storage capacity of computers increased

   1) A and B only
   2) A and C only
   3) B and C only
   4) all A, B and C

8. Which of the following is not an example for an e-government service? (2018)

   1) Accessing GCE O/L results from website of the Department of Examinations, Sri Lanka
   2) Buying items from an online shop
   3) Downloading National Identity Card application from the Department of Registration of Persons
   4) Paying water bills online on the website of the National Water Supply and Drainage Board

9. Which of the following is correct regarding the generations of computers? (2019)

   1) Integrated Circuits (ICs) were introduced in 1st generation computers
   2) Vacuum tubes were introduced in 2nd generation computers
   3) Transistors were introduced in 3rd generation computers
   4) Very Large Scale Integrated Circuits (VLSI) were introduced in 4th generation computers

10. Which of the following are related to G2C (Government to Citizen) services in Sri Lanka?

    A - viewing G.C.E. (O/L) results online (2019)

    B - ordering food items online

    C - renewing vehicle revenue licenses online

    1) A only
    2) A and C only
    3) B and C only
    4) all A, B and C

11. Which of the following is an example for data processing? (2019)

    1) calculation the account balance using banking software after a cash withdrawal
    2) copying a file from a USB drive to a hard disk of a computer
    3) installing sound editing software in a personal computer
    4) scanning a letter using a scanner

12. The three main functions of an information systems are (2020)

    1) input, process and output.
    2) code, compile and execute.
    3) design, develop and test.
    4) select, copy and paste.

13. Which of the following statements are correct regarding the generations of computers?

    A - Transistors were introduced in the first generation computers. (2020)

    B - High-level programming languages were used in the second and third generation computers.

    C - Operating systems with graphical user interfaces (GUI) have been used in fourth generation computers.

    1) A and B only.
    2) A and C only
    3) B and C only.
    4) All A, B and C

14. Kamalasiri accessed the official web portal of government of Sri Lanka (http://www.gov.lk) to get details about the government web directory. Which of the fo1lowing service was obtained by Kamalasiri from the Sri Lanka government web portal? (2020)

    1. G2B
    2. G2C
    3. G2E
    4. G2G