2015 EXAMINATIONS

ACCOUNTING TECHNICIAN PROGRAMME

PAPER TC4: INFORMATION SYSTEMS

MONDAY 8 JUNE 2015

TIME ALLOWED : 3 HOURS
2.00 PM   -   5.00 PM

INSTRUCTIONS

1. You are allowed **15 minutes** reading time **before the examination begins** during which you should read the question paper and, if you wish, make annotations on the question paper. However, you are **not** allowed, **under any circumstances**, to open the answer book and start writing or use your calculator during this reading time.

2. Number of questions on paper - 8.

3. **FIVE** questions **ONLY** to be answered.

4. Each question carries 20 marks.

5. Begin each answer on a fresh page.

6. **DO NOT OPEN THIS PAPER UNTIL YOU ARE INSTRUCTED BY THE INVIGILATOR.**

This question paper contains 2 pages

This question paper must **not** be removed from the examination hall.

1. (a) State the role that information technology plays in an organization. **2 Marks**

    (b) Describe **six** uses of information technology. **18 Marks**
    (TOTAL : 20 MARKS)

2. (a) Describe a system. **4 Marks**

    (b) What is a sub-system? **4 Marks**

    (c) Mention any **two** examples of systems and sub-systems. **4 Marks**

    (d) Describe an open system. **4 Marks**

    (e) Describe a closed system. **4 Marks**
    (TOTAL: 20 MARKS)

3. (a) What is an input device? **2 Marks**

    (b) Describe the following input devices:

        (i)   Keyboard

        (ii) Mouse

        (iii) Touch screen

    12 Marks

    (c) Give **two** advantages of using each of the devices listed in (b), above. **6 Marks**
    (TOTAL: 20 MARKS)

4. (a) What is a software licence? **4 Marks**

    (b) Describe any **three** types of software licence options. **12 Marks**

    (c) Mention any **four** things that a commercial oriented software licence would
    prohibit an end-user from doing. **4 Marks**
    (TOTAL: 20 MARKS)

5. (a) What are typical characteristics of a spreadsheet package? **5 Marks**

    (b) You have been tasked to choose a computer software package. You have
    settled for an off-the-shelf package.

    Required:

    Describe **five** factors that would be considered when choosing the package.
    15 Marks
    (TOTAL: 20 MARKS)

6.   (a)   Describe the following, in information systems:

          (i)   Operational information.   **2 Marks**

          (ii)   Tactical information.   **2 Marks**

          (iii) Strategic information.   **2 Marks**

   (b)   State any **three** characteristics of each of the following:

          (i)   Operational information;   **3 Marks**

          (ii)   Tactical information;   **3 Marks**

          (iii) Strategic information.   **3 Marks**

   (c)   (i)   Mention **two** examples of operational information and **two** of tactical information.   **2 Marks**

          (ii)   Mention **one** example of strategic information.   **1 Mark**
                                                  (TOTAL: 20 MARKS)

7.   (a)   Define the term "information system".   **2 Marks**

   (b)   Describe components of computer based information systems.   **12 Marks**

   (c)   Why do organizations require formal information systems?   **6 Marks**
                                                  (TOTAL: 20 MARKS)

8.   (a)   Define the term "network topology".   **4 Marks**

   (b)   State **two** advantages and **two** disadvantages of each of the following network topologies:

          (i)   Bus topology   **4 Marks**

          (ii)   Star topology   **4 Marks**

          (iii) Ring topology   **4 Marks**

          (iv) Tree topology.   **4 Marks**
                                                  (TOTAL: 20 MARKS)

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