THE ASSOCIATION OF ACCOUNTING TECHNICIANS OF SRI LANKA

INTERMEDIATE EXAMINATION – JANUARY 2014

(55) INFORMATION MANAGEMENT & APPLICATION IN BUSINESS

Time: 03 hours

Instructions to candidates:

(1) This paper consists of two (02) Sections A & B.
(2) Five (05) questions should be answered as follows:
   - Question No.01 of Section A
   - Any four (04) questions from Section B
(3) Answers should be in the medium applied for, in the booklets provided.
(4) 100 Marks.

SECTION - A

Multiple Choice Questions

Answer all questions of this Section

40 marks

01. Select from (1), (2), (3) and (4) the most correct answer to each of the following questions. Write the number of the selected answer in your answer booklet with the English letter assigned to the question.

(A) When considering a business organisation as a system, which one of the following could be considered as a sub-system?

(1) Government.  (2) Competitors.
(3) Accounting Department.  (4) Creditors.

(B) A system which consists of the five components – People, Procedures, Software, Hardware and Data is commonly referred to as a / an:

(1) Information System.  (2) Computer Operating System.
(3) Systems Development.  (4) System Code.

(C) When comparing Computer Based Information Systems (CBIS) with Manual Information Systems, which one of the following is not an advantage of introducing a CBIS?

(1) High cost of implementation.  (2) High data storage capacity.
(3) High accuracy.  (4) High Speed.
(D) The ENIAC was one of the notable Computers in the first generation of Computers. The acronym ENIAC is referred to as:

(1) Electrical Number Information Accounting Computer.
(2) Electronic Numerical Integrator And Computer.
(3) Executive News Integration Artificial Collector.
(4) Electrically Named Information Ability Computer.

(E) To represent different characters using binary digits, several standard binary codes have been developed. Which of the following is an example for binary code?

(1) Apple.  (2) Fortran.  (3) IBM.  (4) ASCII.

(F) $2^{30}$ bytes is equivalent to:

(1) 1 Mega Byte.  (2) 2 Megabits.  (3) 1 Giga Byte.  (4) 2 Gigabits.

(G) In a personal computer, which of the following type of input / output port is commonly used to connect a flash memory device?

(1) Serial Port.  (2) Universal Serial Bus Port.
(3) PS/2 Port.  (4) HDMI Port.

(H) Cathode Ray Tube (CRT) Monitors are comparatively less popular today, than 15 years ago. One reason for this is:

(1) The newer technology monitors consume less power.
(2) The newer technology monitors have built in data storage.
(3) CRT monitors needed powerful processors.
(4) CRT monitors were too small desktop Computers.

(I) Certain mobile phones and tablets have the ability to identify the location of the user and assist him by way of map software. Which of the following hardware feature in the phone is used by such software?

(1) Bluetooth.  (2) Wi-Fi.
(3) SMS.  (4) Global Positioning System (GPS).
(J) SD cards, Micro SD cards, CF cards, Memory Sticks are examples of devices used for which one of the following?

(1) Hardware for adding functionality to a desktop computer.
(2) Hardware for adding functionality to a laptop computer.
(3) Storage Device for Digital Cameras.
(4) Technology used for Credit Cards.

(K) Microsoft Office, IBM Lotus SmartSuite, Corel Word Perfect Office are examples for which one of the following categories of software?

(1) Word Processors.
(2) Software Suites.
(3) Enterprise Resource Planning Software.
(4) Desktop Publishing Software.

(L) Many application software used today on personal computers support the use of key combinations such as “Ctrl + C” or “Ctrl + V” to increase productivity. Which one of the following commonly refer to them?

(1) Keyboard Shortcuts.
(2) Passwords.
(3) Fonts.
(4) Pass Phrases.

(M) Which one of the following is the latest version of the Microsoft Windows range of Operating Systems for personal computers?

(2) Windows 8.
(3) Windows Mobile.
(4) Android.

(N) Accounts Receivable, Accounts Payable, General Ledger are features pertaining to which one of the following type of Application Software?

(1) Word Processor.
(2) Presentation Assistant.
(3) Accounting Software.
(4) Web Browser.

(O) The diagram shown on the right depicts different appearances of the same text “AAT” in a popular spreadsheet application. The feature used to change this text differently as appearing in the diagram is known as:

(1) Mail Merge.
(2) Function.
(3) Formula.
(4) Font Type.
(P) In the URL of the Association of Accounting Technicians of Sri Lanka - www.aatsl.lk, "www" is used to denote which one of the following?

(2) Website Wide Writing.  
(3) Word Written Website.  
(4) Windows Word Wave.

(Q) Which one of the following statements provides the most suitable explanation for the activity referred to as “Hacking”?

(1) The process of gaining illegal entry into a computer system.  
(2) Sending unsolicited emails to other users.  
(3) Encrypting a file to secure its contents.  
(4) Deleting data from a disk securely.

(R) Which one of the following can be considered as the most important aspect of a Disaster Recovery Plan?

(1) Purchasing backup hardware.  
(2) Purchasing backup communication channels.  
(3) Business continuity.  
(4) Tax regulations.

(S) In the System Development Life Cycle Model, different implementation strategies can be adopted. Which one of the following is the most suited for a situation where the old system is stopped and a new system replaces it immediately?

(1) Pilot scheme.  
(2) Parallel operation.  
(3) Phased conversion.  
(4) Direct conversion.

(T) Google Drive, Microsoft SkyDrive, Dropbox are Websites offer which one of the following services?

(1) Free Email Accounts.  
(2) Free Calls to Telephones.  
(3) Video Conferencing.  
(4) Cloud Storage.

(02 marks each, Total 40 marks)
02. (a) Define the term “Data Processing”. 

(b) List the term giving the complete meaning of each of the following abbreviations used for Information Systems:

(i) DSS
(ii) TPS
(iii) MIS
(iv) ESS
(v) PCS
(vi) OAS

(c) An Organisation can have different types of Information Systems at different levels. By considering the six information systems listed in the above 2(b), draw a diagram to illustrate the relationship between each Information System. Your diagram must clearly identify the information systems at Strategic, Management and Operational Levels.

03. (a) Managers at different levels in an organisation, perform different functions. List six (06) activities performed by Operational Managers.

(b) List three (03) types of activities that could be performed by an Office Automation System.

(c) Information can be categorised based on the source. Considering a situation “a bank is collecting information to approve a loan requested by an account holder of the bank”, describe the different sources of the Information required. State any assumptions made by you.

04. (a) Briefly explain features of 3rd generation computers.

(b) To enter text to a Personal Computer, one would need a keyboard. However, some of the latest smart phones in the market do not contain a keyboard. Briefly explain two (02) methods which would enable to enter text when using such a device.

(c) “With the introduction of Digital Versatile Disk (DVD) Drives to personal computers, the older Compact Disk (CD) media cannot be read, unless you have a CD Drive”. Can you agree with this statement? Justify your answer.
A newly formed finance company is setting up a Computer based Information System. As a disaster recovery step, one employee suggests giving each employee a flash memory device to store the information. Can you agree with this recommendation? Justify your answer and suggest two (02) alternative procedures.

05. (a) List two (02) types of Impact Printers and two (02) types of Non Impact Printers.
(b) List four (04) Antivirus software for personal computers available in the market.
(c) List three (03) Enterprise Resource Planning (ERP) Software packages available in the market.
(d) Explain the differences between Accounting Software and ERP Software.

06. (a) List two (02) similarities between Facsimile (Fax) service and e-mail service.
(b) List three (03) differences between Facsimile (Fax) service and e-mail service.
(c) With the advent of email, the Facsimile (Fax) service will soon end. Can you agree with this statement? Justify your answer.
(d) Recently the Postal Department in Sri Lanka halted the Telegram service, which had a 150 year old history. Name the service which replaced this service and briefly explain two (02) possible reasons for the decline in the use of the Telegram service.

07. (a) List four (04) advantages of using Electronic Commerce over Traditional forms of commerce.
(b) List four (04) disadvantages of using Electronic Commerce over Traditional forms of commerce.
(c) The prototype method is often considered as an alternative for traditional software development approaches. Explain what is meant by “prototyping” and list five (05) advantages of using the prototyping approach.