This question paper comprises of three (03) parts - Part I, II and III.

Instructions

i) Answer all questions in Parts I, II and III.

ii) Part I consists of 15 Multiple Choice Questions. Each question carries 02 Marks. Total Marks for Part I is 30 Marks.

iii) Part II consists of 10 questions. Marks for each question of this section are stated underneath the question. Total Marks for Part II is 20.

iv) Part III comprises of 02 questions carrying 25 Marks each. Answer both questions and you get 50 Marks for Part III.

v) It is compulsory to write answers for the questions in Part I and II in the question paper itself and it should be attached to the answer booklet containing answers for Part III.

vi) Part I and II of the question paper should not be taken out of the Examination Hall.

vii) Do not use additional paper to write answers for the questions in Parts I and II.
Part I

Answer the questions of this section by underlining the correct answer/answers.

(01) Which of the following is a main component of a Library Information System?
   a) Library books
   b) Details of the Library members
   c) Library stationery
   d) Reference Library

(02) Which of the following does not belong to hardware resources of an Information System of a supermarket?
   a) Video cameras fixed to observe the behaviour of customers
   b) Devices used to perform credit card transactions
   c) Trollies used to move goods
   d) Devices used to read the bar code number of products.

(03) In an Organization, development of long term production targets and development of plans for future human resource needs are assisted by,
   a) Decision Support Systems
   b) Supply Chain Management Systems
   c) Executive Information Systems
   d) Human Resource Management Information Systems

(04) Information Systems relevant to the management of a Product Life Cycle belongs to the,
   a) Category of Manufacturing Information Systems.
   b) Category of Executive Information Systems.
   c) Category of Supply Chain Management Systems.
   d) Category of Knowledge Management Systems.

(05) What is the main payment medium used in transactions performed in Sri Lanka through the Internet?
   a) Paypal Accounts
   b) Cheques
   c) Credit Cards
   d) Digital Wallets
(06) To which Internet Business Model do the websites such as 'mEntertainment' that provide news, music etc. belong to,
   a) Online Service Providers.
   b) Content Providers.
   c) Portals.
   d) Virtual Community.

(07) What are the main factors that have an impact on the popularity of electronic business activities?
   a) Attempt of lot of organizations to use Intranets
   b) Different activities of the present Government
   c) Popularity of Information and Communication Technology
   d) Globalization.

(08) The electronic payment system which helps to perform transactions by creating an account in a website in the Internet is referred to as,
   a) Peer to Peer Payment Systems
   b) Stored value payment systems
   c) Accumulated balance payment systems
   d) Digital Cash

(09) What is the Internet Business Model which earns income through Advertising and by directing buyers to sellers?
   a) Information Brokers
   b) Online Marketplaces
   c) Transaction Brokers
   d) Virtual storefronts.

(10) Systems which provide analytical models or tools for analyzing large quantities of data for Middle Managers, who face semi-structured decision making are known as,
   a) Decision Support Systems
   b) Management Information Systems
   c) Executive Support Systems
   d) Transaction Processing Systems.

(11) The Internet shrinks the,
   a) survival potential of banks in the business.
   b) symmetrical relationships between business organizations.
c) restrictions to access information.
d) time and money factors in financing.

(12) What are the functions of a Human Resource Information System?
a) Supporting in providing customer service facilities.
b) Preparing the Budgets of other Divisions of the organization including the HR Department.
c) Evaluating employee performance in the electronic method.
d) Forecasting the changes that could happen in employment for a number of years in the future.

(13) Which of the following Information System would provide reports at regular periods according to a pre-determined model?
a) Executive Support Systems
b) Transaction Processing Systems
c) Decision Support Systems
d) Management Information Systems

(14) Identify the correct statement/ statements out of the following.
a) Crimes related to intellectual property are called computer crimes.
b) Preparation of the Debtor/Creditor Statements of an organization is done by Decision Support Systems.
c) Hotel Room Reservation Systems belong to the category of Transaction Processing Systems.
d) Evaluating performance electronically is not advantageous for organizations.

(15) Malware does not include,
a) Worms
b) Trojan Horses
c) Viruses
d) Spoofing
Part II

Write the answers for the questions of this section in the space provided.

(01) Define the term 'Information Technology'.
    a) ......................................................................................................................
    b) ......................................................................................................................
    c) ......................................................................................................................
    d) ......................................................................................................................

(02) State three (03) examples for Transaction Processing Systems that could be seen in real world organizations.
    a) ......................................................................................................................
    b) ......................................................................................................................
    c) ......................................................................................................................

(03) Name four (04) factors that would cause vulnerabilities for Information Systems.
    a) ......................................................................................................................
    b) ......................................................................................................................
    c) ......................................................................................................................
    d) ......................................................................................................................

(04) What are the possible threats that could occur via the Internet to affect the security of an Information System?
    a) ......................................................................................................................
    b) ......................................................................................................................
    c) ......................................................................................................................
    d) ......................................................................................................................

(05) What are the three (03) main categories of E-Commerce?
    a) ......................................................................................................................
    b) ......................................................................................................................
    c) ......................................................................................................................

(06) What are the two (02) main methods of data processing in a Transaction Processing System?
    a) ......................................................................................................................
    b) ......................................................................................................................

(01 Mark)
(07) Name two (02) reasons for the reluctance of Sri Lankan business entities to introduce Intranets and Extranets.

a) ..............................................................................................................

b) ..............................................................................................................

(02 Marks)

(08) State four (04) Enterprise Applications that are used in current day organizations.

a) ..............................................................................................................

b) ..............................................................................................................

c) ..............................................................................................................

d) ..............................................................................................................

(02 Marks)

(09) What are the two (02) main methods that a computer could involve in a crime?

a) ..............................................................................................................

b) ..............................................................................................................

(02 Marks)

(10) What is 'Cyberterrorism'?

a) ..............................................................................................................

b) ..............................................................................................................

c) ..............................................................................................................

(01 Mark)
Part III

Use a separate answer booklet to answer questions in this section.

(01)  a) How do the employees become an internal threat for the security of Information Systems of an organization?  

   (05 Marks)

   b) Using suitable examples, explain the tools and technologies that could be used to ensure security of Information Systems.  

   (10 Marks)

   c) "The Internetworked E-Business enterprises are the most suitable model for the busy life style of Sri Lankans." Critically review the above statement.  

   (10 Marks)  
   (Total - 25 Marks)

(02)  a) Explain the different management levels of an organization and discuss how Information Systems support in performing the work of different management levels.  

   (10 Marks)

   b) Explain the role of Information Systems relevant to different business functions referring to an organization which engages in manufacturing and sales of soap.  

   (10 Marks)

   c) What are the challenges that an organization will have to face in achieving competitive advantage through Information Systems and Electronic Commerce?  

   (05 Marks)  
   (Total - 25 Marks)