KASNEB

CPA PART II SECTION 4

CS PART II SECTION 4

CCP PART II SECTION 4

MANAGEMENT INFORMATION SYSTEMS

FRIDAY: 27 November 2015.   Time Allowed: 3 hours.

Answer any FIVE questions.   ALL questions carry equal marks.

QUESTION ONE
(a)   (i)   Outline six basic types of e-commerce.   **(6 marks)**

       (ii)   Identify five disadvantages of e-commerce.   **(5 marks)**

(b)   (i)   Describe five components of data communication.   **(5 marks)**

       (ii)   Highlight four factors which affect the performance of a computer network.   **(4 marks)**

                                                          (Total: 20 marks)

QUESTION TWO
(a)   Distinguish between "information system" and "management information system"   **(4 marks)**

(b)   Discuss six ways of classifying management information systems by application.   **(12 marks)**

(c)   Outline four functionalities accomplished by a complete business information system.   **(4 marks)**

                                                          (Total: 20 marks)

QUESTION THREE
(a)   Describe five physical classifications of computer configuration.   **(5 marks)**

(b)   Evaluate six advantages and three disadvantages of a distributed computer system.   **(9 marks)**

(c)   Outline six services provided by enterprise applications.   **(6 marks)**

                                                            (Total: 20 marks)

QUESTION FOUR
(a)   (i)   Analyse two major aspects of information system security.   **(4 marks)**

       (ii)   Explain three aspects of guaranteeing effective information system security.   **(3 marks)**

(b)   Information systems bring about immense social changes, threatening the existing distribution of power, money, rights and obligations. It also raises new types of crimes, like cyber crimes.

     Required:
     Suggest four codes of ethics and professional conduct that could be adopted by information systems professionals.
                                                                (4 marks)

(c)   To deliver genuine benefits, information systems must be built with a clear understanding of the organisation in which they will be used.

     Required:
     Examine six factors to be considered when planning a new information system.   **(6 marks)**

(d)   Describe three basic competitive information system strategies which an organisation could apply.   **(3 marks)**

                                                           (Total: 20 marks)

QUESTION FIVE

(a) Enumerate six characteristics of a well designed computerised management information system. (6 marks)

(b) Describe four types of decision support systems. (8 marks)

(c) In management information system (MIS), information is recognised as a major resource. If this resource is to be well managed, it calls upon the management to plan for it and control it so that the information becomes a vital resource for the system.

Required:
Identify six challenges which could affect the effectiveness of implementation of a management information system.
(6 marks)
(Total: 20 marks)

QUESTION SIX

(a) (i) Outline seven strategic information systems applications. (7 marks)

(ii) Summarise four differences between strategic information systems and management information systems.
(4 marks)

(b) (i) Enumerate six significant information systems security challenges to a business organisation. (6 marks)

(ii) Highlight three capabilities of authentication that could make it overcome information systems security threats.
(3 marks)
(Total: 20 marks)

QUESTION SEVEN

(a) (i) Citing an example in each case, identify five e-commerce business models which involve transactions between the government and other entities. (10 marks)

(ii) Outline five key players in the credit card payment process. (5 r

(b) Examine five types of data processing applications in the context of cloud computing. (5 marks)
(Total: 20 marks)

....