



kasneb

DICT LEVEL II
INTERNET SKILLS

MONDAY: 20 May 2019.

Time Allowed: 3 hours.

Answer ALL questions. Marks allocated to each question are shown at the end of the question.

QUESTION ONE

- (a) Citing a solution in each case, explain the following web error messages encountered during web browsing:
- (i) 400 Bad Request. (2 marks)
 - (ii) 500 Internal Server Error. (2 marks)
- (b) In each case, identify three ways in which you could:
- (i) Protect children from accessing inappropriate material via the Internet. (3 marks)
 - (ii) Guard Internet users from spyware programs. (3 marks)
- (c) Explain five factors to consider when choosing an Internet Service Provider (ISP). (5 marks)
- (d) Describe how Dynamic Host Configuration Protocol (DHCP) works to connect a computer online. (5 marks)

(Total: 20 marks)

QUESTION TWO

- (a) Describe the following terms as used in information searching on the Internet.
- (i) Web crawler. (2 marks)
 - (ii) Advanced search. (2 marks)
 - (iii) Subject directory. (2 marks)
 - (iv) Site searching. (2 marks)
- (b) Highlight five guidelines of social networking etiquette on the Internet. (5 marks)
- (c) (i) Using protocols, describe how email works on the Internet. (4 marks)
- (ii) Explain three parts of an email address as used on the Internet. (3 marks)

(Total: 20 marks)

QUESTION THREE

- (a) Explain the three options for connecting a computer to the Internet. (6 marks)
- (b) Differentiate between the following terms:
- (i) "Internet" and "worldwide web". (2 marks)
 - (ii) "Virtual ISP" and "free ISP". (2 marks)
 - (iii) "Digital wallet" and "digital currency". (2 marks)
- (c) Highlight four major uses and four misuses of the Internet. (8 marks)

(Total: 20 marks)

QUESTION FOUR

- (a) In the context of the Internet, define the following terms:
 - (i) Newsgroup. (2 marks)
 - (ii) Web Bot. (2 marks)
 - (iii) Bookmark. (2 marks)
- (b) List four types of top-level domains that could be associated to a website. (4 marks)
- (c) Citing two categories, explain the meaning of the term “mashup” as used in the Internet. (4 marks)
- (d) The adoption of cloud computing has gained momentum in the recent past.

Required:

- (i) Describe the term “cloud computing”. (2 marks)
- (ii) Justify the recent adoption of cloud computing by most organisations. (4 marks)

(Total: 20 marks)

QUESTION FIVE

- (a) Explain the following terminologies as used on the Internet:
 - (i) Search engine optimisation. (2 marks)
 - (ii) Social media influencer. (2 marks)
 - (iii) Landing page. (2 marks)
 - (iv) Pod casting. (2 marks)

- (b) Consider the series of numbers and the text based address below:

- 209.46.18.200
- http://www.emcp.com

Required:

Analyse how the series of numbers and text above organise and deliver web pages to a computer user. (4 marks)

- (c) The file transfer protocol (FTP) is a standard used for the transfer of computer files between a client and server.

Required:

Assess four objectives of FTP. (4 marks)

- (d) The Internet Architecture Board (IAB) supervises two taskforces:

- (i) Identify the two taskforces. (2 marks)
- (ii) State the function of each of the identified taskforce in (d) (i) above. (2 marks)

(Total: 20 marks)

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