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**UNIVERSITI TUN HUSSEIN ONN
MALAYSIA**

**FINAL EXAMINATION
SEMESTER I
SESSION 2017/2018**

COURSE NAME : INTRODUCTION TO
INFORMATION TECHNOLOGY
COURSE CODE : BIT 10203
PROGRAMME CODE : BIT
EXAMINATION DATE : DECEMBER 2017/JANUARY 2018
DURATION : 3 HOURS
INSTRUCTION : ANSWER ALL QUESTIONS

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THIS QUESTION PAPER CONSISTS OF FIVE (5) PAGES

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Q1 State either **TRUE** or **FALSE** for each of the following questions.

- (a) Character, field, record, file, and database are common data elements in order from smallest to largest. (1 mark)
- (b) Database is document or file that stored the data definitions and descriptions of the data structure used in the table. (1 mark)
- (c) Common Gateway Interfaces (CGI) script is a type of program that manages the sending and receiving of data between the front end and the database server. (1 mark)
- (d) Office Information System combine various technologies to reduce the manual labor required in operating an efficient office environment and to increase productivity. (1 mark)
- (e) Coaxial cable consists of dozens or hundreds of thin strands of glass or plastic that use light rather than electricity to transmit signals. (1 mark)
- (f) Fiber optic sends data signals at a very low frequency that can be received by human eyes ranging from 1 to 16 Mbps. (1 mark)
- (g) Access point is a station that sends and receives data to and from a Wi-Fi networks. (1 mark)
- (h) A worm is a program that hides within or looks like a legitimate program. (1 mark)
- (i) Web filtering software is a program that restricts access to specified websites. (1 mark)
- (j) A character is the smallest unit of data a computer can process. (1 mark)

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- (k) A query statement is required to retrieve or select data in database. (1 mark)
- (l) Data can include text, number, sound, image, audio and video. (1 mark)
- (m) A multidimensional database is a database that stores data in tables that consist of rows and columns. (1 mark)
- (n) Operational management is responsible for implementing the strategic decision of executive management. (1 mark)
- (o) A Management Information System (MIS) summary report usually lists only transaction. (1 mark)
- (p) An information system is a set of hardware, software, data, people and procedures that works together to produce information. (1 mark)
- (q) A communication channel is the media on which data, instruction or information travel. (1 mark)
- (r) On a ring network, all of the computers and devices on the network connect to a central device. (1 mark)
- (s) A range check tests the data in two or more associated fields to ensure logical relationship. (1 mark)
- (t) A packet is a special series of bits that function like a ticket. (1 mark)

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Q2 (a) Identify and explain **THREE (3)** levels of management in an organizations.

(6 marks)

(b) Describe **TWO (2)** job positions in Information Technology field.

(4 marks)

Q3 (a) Explain the importance of data to an organization.

(2 marks)

(b) Describe the different between File Processing System approach and Database approach.

(4 marks)

(c) Sketch **TWO (2)** types of network topologies layout.

(4 marks)

Q4 (a) State **FOUR (4)** Computer Based Information System (CBIS) with their level of organization management level.

(8 marks)

(b) List **TWO (2)** main reasons to create or modify the information system.

(2 marks)

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Q5 (a) Discuss **FOUR (4)** issues related to the impact of the information technology in our daily life.

(12 marks)

(b) Based on **Figure Q5(b)**, suggest **SIX (6)** steps that can be taken to improve ergonomic position.

(6 marks)

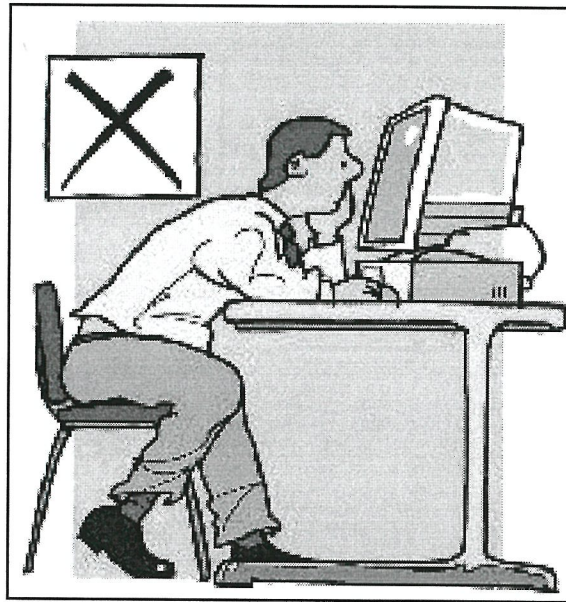


Figure Q5(b)

Q6 Explain **SIX (6)** phases of Software Development Life Cycle (SDLC).

(12 marks)

- END OF QUESTION -

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