KOLEJ SYNERGY
NO 32, 34 JALAN PERAI JAYA 4,
BANDAR PERAI JAYA,
13600 PULAU PINANG.

PENILAIAN PENGETAHUAN
(KNOWLEDGE ASSESSMENT)

KOD UNIT KOMPETENSI/*COMPETENCY UNIT CODE*	IT-010-4:2013 – C02
TAJUK UNIT KOMPETENSI/*COMPETENCY UNIT TITLE*	APPLICATION DATABASE PROGRAMMING
NO. KOD/ *CODE NO.*	IT-010-4:2013 – C02/KA(1/1)
NAMACALON/*CANDIDATE'S NAME*	
NO KADPENGENALAN/*NRIC NUMBER*	
MASA/*TIME*	**2.00PM – 3.30PM (1 HOUR 30 MINUTES)**
TARIKH/*DATE*	

KEPUTUSANPENILAIAN/*ASSESSMENT RESULT*

MARKAH/*SCORE:* %	**TERAMPIL/BELUM TERAMPIL** *COMPETENT / NOT COMPETENT*

ULASAN PEGAWAI PENILAI/*ASSESSOR COMMENT :*

_____
TandatanganPegawaiPenilai/*Assessor's Signature*
Nama/*Name :*

Tarikh/*Date :*

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Instruction to candidate :

Write down the name and numbers of your ID card in the space provided.

1. Candidates are not allowed to open the paper until allowed.

2. Please answer all questions.

3. Not allowed to bring any notes and reference materials except allowed.

4. candidates are prohibited copying during evaluation.

5. Prohibited brings out the question paper.

KERTAS PENILAIAN PENGETAHUAN INI MENGANDUNGI 7 MUKA SURAT BERCETAK.
This Knowledge assessment contains 7 printed pages

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SECTION A: MULTIPLE CHOICE QUESTION

This section contains fourteen (10)questions.You must answerall questionsby circlingthe correct answer, if you want tochange your answer,pleasecrossthepreviousanswer. Mark your answerson the answer sheetprovided.

1. Which of the following systems software does the job of merging the records from two files into one?

   A. Security software

   B. Utility program

   C. Networking software

   D. Documentation system

2. Fork is?

   A. the dispatching of a task

   B. the creation of a new job

   C. the creation of a new process

   D. increasing the priority of a task

3. Thrashing is?

   A. is a natural consequence of virtual memory systems

   B. can always be avoided by swapping

   C. always occurs on large computers

   D. can be caused by poor paging algorithms

4. Supervisor state is?

   A. Never used.

   B. Entered by programs when they enter the processor.

   C. Required to perform any I/O.

   D. Only allowed to the operating system.]

5. Which of the following instruction steps, would be written within the diamond-shaped box, of a flowchart?

   A. S = B - C

   B. IS A<10

   C. PRINT A

   D. DATA X,4Z

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6. Which of the following statements is false?

   A. the technique of storage compaction involves moving all occupied areas of storage to one end or other of main storage

   B. compaction does not involve relocation of programs

   C. compaction is also known as garbage collection

   D. the system must stop everything while it performs the compaction

7. Interprocess communication?

   A. Is required for all processes.

   B. Is usually done via disk drives.

   C. Is never necessary.

   D. Allows processes to synchronize activity.

8. Which of the following functions is performed by the loader?

   A. allocate space in memory for the programs and resolve symbolic references between object decks

   B. Adjust all address dependent locations, such as address constants, to correspond to the allocated space.

   C. Physically place the machine instructions and data into memory.

   D. All of the above.

9. User-Friendly Systems are?

   A. Required for object-oriented programming.

   B. easy to develop

   C. common among traditional mainframe operating systems

   D. becoming more common

10. Which of the following addressing modes, facilitates access to an operand whose location is defined relative to the beginning of the data structure in which it appears?

    A. ascending

    B. sorting

    C. index

    D. indirect

(10 Marks)

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SECTION B: STRUCTURED QUESTIONS

This section contains five (5) questions.Pleasewrite your answersclearly. If you want tochange your answer,pleaselineinthe previousanswer. Answeronthe answer sheet provided.

1. What is meant by Inheritance and what are its advantages?

   _____
   _____
   _____

   (5 Marks)

2. What is the difference between superclass and subclass?

   _____
   _____
   _____

   (5Marks)

3. What is meant by Binding?

   _____
   _____
   _____

   (5 Marks)

4. What is meant by Polymorphism?

   _____
   _____
   _____

   (5 Marks)

5. What is Dynamic Binding?

   _____
   _____
   _____

   (5 Marks)

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SECTION C: ESSAY QUESTIONS

This section containsone (2) question. Write your answersclearly. If you want tochange your answer,pleaselineinthe previousanswer. Answeronthe answer sheet provided.

1. What is final modifier and explain?

_____

_____

_____

_____

_____

_____

_____

_____

_____

(15 Marks)

2. Differentiate between a Class and an Objec?

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

(10 Marks)

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ASSESSMENT RESULT

SCORE: %	COMPETENT/ NOT COMPETENT
SECTION / QUESTION NO.	**MARK OBTAINED**
A	/ 10
B	/ 25
C	/ 25
TOTAL	/ 60 (100%) =
	/100 (15%) =