

Ministry of Higher Education  
MISR Higher Institute for Commerce & Computers

Subject : Compilers  
Department : Computer Science  
Date :



Subject Code :  
Level : 4  
Time : 1 hrs

Mid-Term Examination- Second Semester 2011/2012

Solve the following questions

- يسمح باستخدام القلم الرصاص (شرط وضوح الخط).
- الرجاء وضوح الرسم قدر المستطاع (ليس شرطاً استخدام المسطرة)

- (1) Show graphically the different steps for processing the user program. (6 marks)
- (2) What is meant by: Different process states then draw the process state diagram. (6 marks)
- (3) Compare between:
  - Loader and linker.
  - Logical and physical addresses
  - Ready queue and input queue.(9 marks)
- (4) What is the difference between a program and a process?, then explain how to protect each process from another? (9 marks)



With Best Wishes  
Dr: Ahmed Saleh



PLZ, send your comments about the exam to:  
aisaleh@yahoo.com



Ministry of Higher Education  
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Subject : Compilers  
Department : Computer Science  
Date : -3-2017



Subject Code :  
Level : 4  
Time : 1 hrs

Mid-Term Examination- Second Semester 2016/2017

Name: .....

• يسمح باستخدام القلم الرصاص (شرط وضوح الخط).

Sec: .....

• الرجاء وضوح الرسم قدر المستطاع (ليس شرطاً استخدام المسطرة)

**Solve the following questions**

(1) Compare between compiler and interpreter, then show graphically how each one works? (5 marks)

(2) Show graphically the different steps for executing the user program, then explain what is meant by bootstrapping? (5 marks)

(3) What is meant by:

- Instruction cycle. (5 marks)
- Different process states then draw the process state diagram.

(4) Compare briefly (باختصار) between: (5 marks)

- Loader and linker.
- Logical and physical addresses
- Ready queue and input queue.

With Best Wishes  
Dr: Ahmed Ibrahim Saleh  
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