

# نماذج الاختبارات الشهرية

تجميع :

نور الجفري & فاطمة عاشور

## Part One: 18 Marks Chose the correct answer

- 1) It is a phase of the interactive cycle  
 a) Forming the intention      b) Executing the action      c) Specifying the action sequence      d) All
- 2) Restriction placed on the data  
 a) Relationship      b) Procedures      c) Constraint      d) None
- 3) DBMS Manages the Interaction between  
 a) Data and Database      b) End user and Database      c) Hardware and Software      d) All
- 4) They have Attributes and association among each other:  
 a) Entities      b) Relationship      c) Attribute      d) None
- 5) Input in the human occurs mainly through:  
 a) Keyboard      b) sensory buffer      c) Vocal system      d) None
- 6) A person who is actually interact with program and will be dealt with directly.  
 a) Customer      b) Developer      c) User      d) All
- 7) Used as Communications tool between the designer, the programmer, and the end user :  
 a) Data model      b) File systems      c) DBMS      d) None
- 8) Input in the human occurs through:  
 a) Conclusion      b) Effectors      c) Thinking      d) None
- 9) Require compilers and interpreters  
 a) High-level language      b) Assembly language      c) Machine language      d) All
- 10) Describes an association among two or more entities  
 a) Relationship      b) Procedures      c) Constraint      d) All
- 11) The quality of a software system may be affected by  
 a) Programming language      b) Update of Requirements      c) Operating System      d) None
- 12) Convert assembly language to machine language:  
 a) Translators      b) Compilers      c) Assemblers      d) None

## Part Two 7 Marks True or False

No	Statement	
2	Induction is generalizing from cases we have not seen to infer information about cases we have seen	F
6	File System Data Management reduces the probability of Data integrity.	T
7	In highly interactive input devices the user provides all the information to the computer at once and leaves the machine to perform the task	F
9	Programs call API functions, which may access the OS by making system calls	T
10	Database availability refers to making database available to a human user or a program Regardless they have a legitimate right.	F

Student Name: \_\_\_\_\_

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  - a) Customer
  - b) User
  - c) Developer
  - d) All

## Part Two 7 Marks True or False

No	Statement	
1	Programmers use routines to request services from the operating system	T
2	Customized products are produced to sold on the open market to any customer	F
3	Deductive reasoning derives the logically necessary conclusion from unknown premises	F
4	The Complexity of software affects the quality of a software system	T
5	In batch input the user is constantly providing instruction and receiving feedback.	F



Academic year: 2017-2018

Lecturer: Dr. Saeed Mohammed Baneamoon

Level : First

Subject: IT Fundamentals

Department: Information Technology (علم)

Time allowed : 60 Minutes

Name: .....

Total marks:

30

Answer all questions:

1) What is a side and a role of Active X?

(6 marks)

2) Explain the ring network topology and list its advantages and disadvantages? (12 marks)

is network that connecting computers <sup>together</sup> as ring. all nodes (work station, peripheral, network...)

advantages

Easy to connecting the computers.

disadvantages

when we share information it will pass through the other computers between sender and receiver.

3) What is ISP?

Internet System (protocol) Set of rules defining communication system. format, order, message send and receive and how to handle error.

(6 marks)

4) List two activities of DBA?

(6 marks)

~~Data Base~~

built the program logical container

logical container

logical container





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Subject: IT Fundamentals  
Department: Information Technology (علم)  
Time allowed: 60 Minutes

Name: .....

Total marks:

$\frac{15}{15}$

Answer all questions:

1) What is an embedded processor? (3 marks)

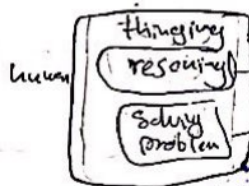
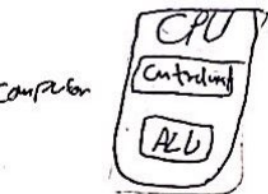
It's a program to perform one task, it's not able to update and it's fast and cheap - it's not access user interface.

Example: pilot originally use embedded processor / control

2) How operating system support Multiprogrammed systems? (3 marks)

It support multiprogrammed system when it allows one task or more to execute in the same time.

3) Use drawing to compare between processing unit structure of computer system and human? (3 marks)



example

example

order the inductive abductive  
Preston  
Newell a

4) Why is dispatch/execute used in dynamic execution? (3 marks)

because it's make about replace for instructions

التي تسمى بالبرمجة الدينامية

5) List two activities of Design phase of software life cycle? (3 marks)

GUI

Data base

# نماذج الامتحانات النهائية

تجميع :

نور الجفري & فاطمة عاشور



Academic year: 2017 - 2018

Day and Date: Sunday / 24<sup>th</sup> June - 2018

Examiner: Dr. Saeed Mohammed Baneamoun

Time allowed: 2 Hours

(A)

Exam Semester: Second

Level: First (عام - مؤخر)

Department: Information Technology

Subject: IT Fundamentals

### Answer all of the following questions:

#### Question 1: (10 x 2 = 20 marks)

1) State True or False. If False give the correct statement.

1. DNS is a set of rules defining how to handle errors.
2. WIMP interface provides a directly expressing instructions to the computer, using only keyboard.
3. A Routers electrically amplifies the signal it receives and rebroadcasts it.
4. A database is a collection of programs that enables users to create and maintain a database.
5. A pipeline works like an assembly line in control unit.

2) Fill in the blanks:

1. .... in dynamic execution is put back results in their original order when completed.
2. .... is designed to assist in store, manage, maintaining and utilizing a database.
3. .... is switched Analog to digital and vice versa.
4. A device that allows you to segment a large network into two smaller, more efficient networks.
5. .... is type of human sensory memory for aural stimuli.

#### Question (2): (5 x 3 = 15 marks)

1) What do we mean by inductive reasoning? Give an example?

2) What is the difference between Passive attack & Active attack?

3) Define the type of security attack with relation to security goals of the following

*"A worker breaks into manager's office to obtain a change of the salary report"*

**Question (3): (5 x 3 = 15 marks)**

- 1) Use drawing to show the relationship between business and IT in data mapping and exchange?

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- 2) List three properties of DBMS?

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- 3) What is the basic idea of the web?

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8+6=6

**Question 4: (5 x 3 = 20 marks)**

- 1) Compare between bus and star networks?

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- 2) How operating system support Control Program?

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- 3) What is design phase In SDLC?

software life cycle

**Good Luck**



**Answer all of the following questions:**

**Question (1) (10 x 2 = 20 marks)**

1) State True or False. If False give the correct statement.

1. **ISDN** is a set of rules defining communication between systems.
2. **Command line interface** is a menu-driven interface, the set of options graphically is displayed on the screen, and selected using the mouse or keyboard.
3. A **switch** is a device that allows you to segment a large network into two smaller, more efficient networks.
4. A database management system is a collection of related data describing the activities of one or more related organizations.
5. A Microprogram a sequence of microinstructions that are perform various functions.

2) Fill in the blanks:

1. If an instruction cannot be completed the processor begins working on other instructions. This is known as .....
2. Coordinators for all database system activities is called .....
3. .... are used to convert domain names to IP addresses.
4. Component select the best path to forward a message is .....
5. .... is type of human sensory memory for visual stimuli.

**Question (2): (5 x 3 = 15 marks)**

1) What do we mean by inductive reasoning? Give an example?

2) Determine the difference between Steganography & Cryptography?

3) Define the type of security attack with relation to security goals of the following :  
"A student breaks into a professor's office to obtain a copy of the next day's test."

**Question 3) (5 x 3 = 15 marks)**

1) List three duties of *DBA*?

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2) What is the basic idea of the web?

---

3) Use drawing to show the relationship between business and IT in data mapping and exchange?

---

**Question 4: (5 x 3 = 20 marks)**

1) Compare between ring and tree networks?

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2) How operating system support *resource allocator*?

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3) What is requirements analysis phase in SDLC?

*Good Luck*