Ministry of Higher Education High Institute of Engineering & Technology in New Damietta.



Basic Science and Engineering
Department

No. of questions: 2 Total marks: 20marks

Time:1 H

Systems

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Subject code: ENG104

Subject: Introduction to Computer

Level:1

Date:13/11/2019

Mid Term Examination first S	Semester 2019-2020 by Dr. Mahmou	d Yassein Shams El-Den
Question 1: Complete the follow		(10 Marks
1 The DAM is stond for		N. Sai
2. The RAW Is stands for	and measured by	
2. The Processor is considered as	and measured by	
3. 542 GB=Bit , 318 B		
4. Software is	and consists of,	,and
5. The CPU is stands for	and consists of,	, and
	Solution	ě
1. Random Access Memory, By	te	* * * * * * * * * * * * * * * * * * *
2. The brain of computer respon	nsible for mathematical and logic of	perations and execution
the commands, hertz.		
7. A collection of programs of the	8 bit , 318Byte=318/(1024*1024*10	24)
Application and Language and	required to make the computer wo	rk, Operating System,
Application , and Language pro 5. Central Processing Unit, ALU	gramming.	
s central Processing Offic, ALO	, MO, and CO	
Question 2: Convert the followin	or numbers to its equivalence	(IOM-1
1. (100010) <sub>2</sub> →(34) <sub>10</sub>	g numbers to its equivalence.	(10 Marks
$2. (150)_{10} \rightarrow (10010110)_2$		20
3. $(3D9)_{16} \rightarrow (1731)_8$		
$4. (735)_8 \rightarrow (477)_{10}$		
5. $(325)_{10} \rightarrow (145)_{16}$		
· (252)10 > (15)16		

With all my best wishes Dr. Mahmoud Shams

Ministry of Higher Education High Institute of Engineering & Technology in New Damietta.



## Basic Science and Engineering Department

Subject code: ENG104 Level:1 Time:1 H Date:13/11/2019 Subject: Introduction to Computer

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## Question 1: Complete the following sentences. . (10 Marks) 1. The ROM is stands for ......and measured by ..... 2. The Internet is considered as ......and measured by..... 3. 532 MB=.....Bit , 309 Bit=.....KB 4. Hardware is ....., and consists of ...., and ..., 5. The OS is stands for .......and its operates as ..........for example...., ............ Solution 1. Read Only Memory, Byte. 2. The collection of networks that groups over millions devices all over the world, Bit/sec. 3. 532MB=532\*1024\*1024\*8 , 309 bit = 309/(1024\*8) 4. The equipment or devices can be touched and handled, CPU, I/O unit, Storage devices. 5. Operating System, interface between the computer and user, DOS, Windows, Linux.

Question 2: Convert the following numbers to its equivalence. (10 Marks)

- 1.  $(101010)_2 \rightarrow (----42---)_{10}$
- 2.  $(170)_{10} \rightarrow (---10101010-----)_2$
- 3. (9BC)<sub>16</sub>→(-----4674----)<sub>8</sub>
- 4.  $(275)_8 \rightarrow (----189 \div ----)_{10}$
- 5.  $(385)_{10} \rightarrow (---181---)_{16}$

With all my best wishes Dr. Mahmoud Shams