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UNIVERSITY OF RUHUNA – FACULTY OF MEDICINE

ALLIED HEALTH SCIENCES DEGREE PROGRAMME

FIRST B. PHARM PART I EXAMINATION –AUGUST 2017

PH 1163 INFORMATION TECHNOLOGY (SEQ)

TIME: ONE HOUR

INSTRUCTIONS

- Answer **all** questions in the given space.
- Do not use any correction fluid.
- Marks will be deducted for illegible hand writing.

1.

1.1. Manager of your company decides to purchase desktop computers. Computer technician has created an incomplete computer specification document which is given in table A. Please use the below table to write answers to following questions.

Intel i7-7 th Generation-3.2Ghz.	A
8Gb DDR3	B
17" LED	C
1TB-7500RPM	D
USB-Mouse	E
DVD Rom	F
Printer, Web Cam, Touch Screen, Scanner, Speakers, Microphone, Digital Camera, Barcode Reader	G

Table A

1.1.1. Select and write a correct description for A, B, C, D, E, F from list given below?

Display, RAM, Pointing Device, Processor, Hard Disk

(15 marks)

A -	D -
B -	E -
C -	D -

1.1.2. Complete table B using elements in A to G.

(10 marks)

Inputs	Memory	Outputs

Table B

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1.1.3. What are the main categories of memory in the computer? (10 marks)

- a.
- b.

1.1.4. Describe each of them listed in 1.1.3. (10 marks)

- a.
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- b.
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1.1.5. Write **four** factors to consider, when you buying a computer? (10 marks)

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1.2. After purchasing the computer, suppliers give you a list of software those are suitable to install on your desktop. (Table C). Use table C to answer following questions.

Windows 8.1 Home professional	Mozilla Firefox	Skype
MS Office-2016	Google Chrome	Ubuntu
Acrobat PDF Reader	Photoshop	Cent OS

Table C

1.2.1. Main Software categories are System Software and Application Software. Complete the table D using contents in the table C. (15 marks)

System Software	Application Software

Table D

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1.2.2. Write description about System Software and Application Software. (10 marks)

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1.2.3. Describe briefly the purpose of Operating System (OS). Write **three** functionalities of OS. (10 marks)

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1.2.4. Describe briefly the difference of Proprietary Software and Open Source Software. (10 marks)

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2.
2.1. A company decides to implement a computer base information system and a network environment.
2.1.1. Write **four** advantages of using the computer base information system. (20 marks)

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2.1.2. Discuss the advantages and disadvantages of using a computer network in the company. **(15 marks)**

2.1.3. Explain how to connect the company's LAN with WAN? What are the available technologies? **(15 marks)**

