



UNIVERSITY OF RUHUNA – FACULTY OF ALLIED HEALTH SCIENCES

DEPARTMENT OF PHARMACY

FIRST BPHARM PART I EXAMINATION – FEBRUARY 2022

PH 1163 INFORMATION TECHNOLOGY – SEQ PAPER

TIME: ONE HOUR

INSTRUCTIONS

- There are **two** questions in part **A and B** in this SEQ paper.
- Answer all questions.
- No paper should be removed from the examination hall.
- Do not use any correction fluid.
- Use illustrations where necessary.

PART A

1.

1.1.

1.1.1. List five uses of Information Technology to an Informatics Pharmacist.

(10 marks)

1.1.2. Write down four **input devices**, which are available in the market as computer devices and briefly describe the use of those input devices.

(10 marks)

1.1.3. Write down four **output devices**, which are available in the market as computer devices and briefly describe the use of those output devices.

(10 marks)

1.1.4. Primary memory and Secondary memory are the main categories of memory inside the computer. Describe about these two memory categories. Give two examples for each Primary memory and Secondary memory.

(10 marks)

1.1.5. Describe the purpose of the Central Processing Unit.

(04 marks)

1.1.6. List main three parts of the Central Processing Unit of the computer.

(06 marks)

1.2.

1.2.1. Write down the main categories of software.

(10 marks)

1.2.2. Describe main categories of software mentioned in 1.2.1 providing the use of each.

(10 marks)

1.2.3. Write three examples for each main categories of software.

(06 marks)

1.2.4. Write three popular operating systems currently used by the computer users.

(06 marks)

1.2.5. Write four disadvantages of implementing a Network in organization.

(10 marks)

1.2.6. Write two benefits of using fiber optic cables.

(04 marks)

1.3. Describe the following term.

a) Half duplex data communication (04 marks)

2.

2.1. Regarding internet connection for your office,

2.1.1. Write two methods of getting internet connection. (02 marks)

2.1.2. Who supply the internet connection to clients? (02 marks)

2.1.3. Write three main latest networking devices that you need to purchase to establish a networking facility. (06 marks)

2.2. Describe bandwidth of the channel. (10 marks)

2.3. Write four advantages of the computer-based information system. (10 marks)

2.4. Write four methods used by Systems Analysts to gather information of existing manual system. (10 marks)

2.5. To overcome the problems in traditional network systems in the organizations, they are trying to get services from cloud base systems. Briefly describe the advantages of the cloud base solution. (10 marks)

PART B

2.6.

2.6.1. Discuss the differences among data, information and knowledge using examples. (10 marks)

2.6.2. Briefly explain the benefits and drawbacks of e-learning, in comparison with traditional learning. (10 marks)

2.6.3. Explain how you know your computer is affected by hackers and/or other security threats. (10 marks)

2.6.4. List down five services/applications provided by the Internet specifying their associated protocols. (10 marks)

2.6.5. Describe the main role of the Domain Name System (DNS). (10 marks)

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