UNIVERSITY OF RUHUNA – FACULTY OF ALLIED HEALTH SCIENCES

DEPARTMENT OF PHARMACY

FIRST BPHARM PART I EXAMINATION – JANUARY/FEBRUARY 2023

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. There are many characteristics of a computer. Brief explain five (5) of them.
(*10 marks*)

1.1.2. List down three (3) differences between Primary memory and Secondary memory.
(*05 marks*)

1.1.3. Briefly explain the term "Protocol" in the field of computing by highlighting its importance. (*10 marks*)

1.1.4. Discuss how the Internet services/applications impact on your daily lives, by highlighting their advantages and disadvantages. (*15 marks*)

1.1.5. Briefly describe why we need Domain Name System (DNS). (*10 marks*)

PART B

1.2.

1.2.1. What are the main components of Data Communication System? (*05 marks*)

1.2.2. List three (3) different types of transmission mediums that can be used in data communication systems. (*06 marks*)

1.2.3. Briefly describe the full duplex transmission. (*05 marks*)

1.2.4. Write four (4) disadvantages of the establishment of network infrastructure within the organization. (*10 marks*)

1.2.5. Briefly describe three (3) methods of getting the Internet connection/facilities for your office/home. (*10 marks*)

1.2.6. Briefly describe the differences between Internet and Intranet. (*10 marks*)

1.2.7. List down four (4) benefits of use of Cloud Computing. (*04 marks*)

2.

2.1.

2.1.1. Write five (5) input devices, which are able to purchase from the market.

(*10 marks*)

2.1.2. Write five (5) output devices, which are able to purchase from the market.

(*10 marks*)

2.1.3. Briefly describe the purpose of the input and output devices. (*10 marks*)

2.1.4. Intel i7 11ʰ Generation 3.5GHz is the processor suitable for desktop and laptop computers. Briefly describe the purpose of the CPU (Central Processing Unit).

(*10 marks*)

2.1.5. Briefly describe the role of the "Informatics Pharmacist". (*10 marks*)

2.2.

2.2.1. Specify main categories of software. (*04 marks*)

2.2.2. Describe main functionalities of above-mentioned categories of software.

(*10 marks*)

2.2.3. Give three (3) examples of each category of software you mentioned in 2.2.1.

(*06 marks*)

2.2.4. What are the attributes/characteristics (list down at least four) of quality software? (*10 marks*)

2.2.5. There are many advantages of computer-based information systems. Briefly mention five (5) advantages of them. (*10 marks*)

2.2.6. Briefly describe the followings:
2.2.6.1. Proprietary Software (*05 marks*)
2.2.6.2. Open source Software (*05 marks*)

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