UNIVERSITY OF THE PUNJAB

Final Prof.   A/2015
Examination: Doctor of Pharmacy
(Pharm.D.)

Roll No. ....

Subject: **Computer and its Applications in Pharmacy**
PAPER: 6

TIME ALLOWED: 3 hrs.
MAX. MARKS: 50

Instructions:
- Solve entire paper (both Objective and Subjective Parts) on Answer Book.
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"BEST OF LUCK"

OBJECTIVE SECTION   [20 Marks]

Determine the correct option for each of the following questions. Write the **Question Number** and your selected option like **(A, B, C or D)** in **CAPITAL** letters on the **Answer Book** only in a clear manner. You do not need to write the question statement on the Answer Book.

Q.1. Which of the followings is an Input Device?
A. Hard Disk
B. Key Board
C. Printer
D. Monitor

Q.2. If we increase the size of RAM, then it will reduce the usage of _____.
A. ROM
B. Virtual Memory
C. Cache Memory
D. Registers

Q.3. Which Printer is an expensive one and better then from other printers in performance?
A. Dot-Matrix Printer
B. Laser Printer
C. Ink-Jet Printer
D. Thermal Printer

Q.4. The main role of data de-fragmentation is to
A. Increase the data access speed
B. Secure your data from viruses
C. Stop unauthorized use of data
D. None of the Above

Q.5. System Restore Utility can enable us to restore
A. drives data where OS is not installed
B. system state
C. your personal files
D. option a & b both

Q.6. Background pictures may have the following file extensions.
- A. exe, doc, pdf
- B. bmp, gif, jpg
- C. dll, lib, ppt
- D. txt, zip

Q.7. The physical arrangement in a computer that contains the computer's basic circuitry and components is called.
- A. Processor
- B. Motherboard
- C. Hard Disk
- D. RAM

Q.8. _____ perform basic tasks, such as recognizing input from the keyboard, sending output to the display screen, keeping track of files and directories on the disk, and controlling peripheral devices such as disk drives and printers.
- A. Application Software
- B. Operating System
- C. Messaging Software
- D. Management Information System

Q.9. _____ is a programming language and it can be used for development of Websites.
- A. C++
- B. HTML
- C. Fortran
- D. MIS

Q.10. A _____ website is one whose content is not regenerated at all a user visits or reloads the site.
- A. Dynamic
- B. Static
- C. Informative
- D. Entertainment

Q.11. Which combination of keys can be used to align text centered in MS Word?
- A. Ctrl+c
- B. Ctrl+e
- C. Ctrl+v
- D. Ctrl+x

Q.12. Microsoft Word is a very common example of _____ software.
- A. Application
- B. Messaging
- C. Communication
- D. Development

Q.13. The _____ allows you to copy the format setting applied to selected text to other text MS Word.
- A. Font
- B. Clipboard
- C. Format Painter
- D. Design

Q.14. As you type in MS Word, the insertion point moves automatically to the next line when you reach the right margin is called.
   A. AutoComplete
   B. Word Wrap
   C. AutoCorrect
   D. Spell & Grammar

Q.15. Using MS Excel when you want to preserve the exact cell address in a formula and cell reference does not change when the formula is copied to another location is called
   A. Relative Cell Referencing
   B. Absolute Cell Referencing
   C. Mixed Cell Referencing
   D. None of the Above

Q.16. A _____ is a built-in or predefine formula that makes it easy to perform a complex calculation in MS Excel.
   A. Label
   B. Value
   C. Function
   D. Argument

Q.17. In a computer network, there are number of ways to join computers to speed up the performance and fault tolerance, which are called as network.
   A. Network Terminologies
   B. Network Resources
   C. Network Topologies
   D. Network Processing

Q.18. An unintelligent network device that sends one signal to all of the connected stations is known as.
   A. HUB
   B. Switch
   C. Bridge
   D. Router

Q.19. A cable, consisting of a center glass core surrounded by layers of plastic that transmits data using light rather than electricity is called.
   A. Coaxial Cable
   B. Fiber optic
   C. Twisted pair Cable
   D. None of the above

Q.20. _____ resides on Layer 3 (Network Layer) of the OSI model.
   A. HUB
   B. Switch
   C. Bridge
   D. Router

SUBJECTIVE SECTION [30 Marks]

Question.1 [06 Marks]
What is meant by Internet? How does the internet impact on the socio-economic aspects of our lives?

Question.2 [06 Marks]
What is Systems Development Life Cycle (SDLC)? Briefly, explain its phases.

Question.3 [06 Marks]
Define the following terms briefly. Each term should be defined no more than six lines.
1. Disk Controller
2. ROM & RAM
3. Computer Viruses & Anti-Viruses
4. Access Time of Memory
5. Interactive Whiteboard
6. Ports and Bays in a System Unit

Question.4 [06 Marks]
You have established an office of graphic designing and you have to purchase a computer for this office. Please list down the specifications of the following devices that will fulfill your needs as a graphic designer.
   a. Processor
   b. Memory
   c. Input Devices
   d. Storage Devices
   e. Communication Devices

Question.5 [06 Marks]
Consider the following UCP Pharmacy Voucher. You are required to write **MS Excel Formulae** by considering the following constraints.
- **Article Price** is a product of Rate and Quantity
- **Gross Total** is a sum of all articles' prices.
- **Calculate Tax** 5% of Gross Total IF Gross Total is up to Rs.800/- otherwise Tax would be 10% of Gross Total.
- **Calculate Discount** 8% of Gross Total IF Gross Total is up to Rs.600/- otherwise Discount would be 12% of Gross Total.
- **Payable Amount** is the calculation of Gross Total, Tax and Discount.

	A	B	C	D	E
1		**UCP Pharmacy**			
2	Sr. No.	Article Name	Rate	Quantity	Price
3	1	Omega	90	4	360
4	2	Panadole	10	3	30
5	3	Concor	80	3	240
6	4	Desprine	10	6	60
7	5	Simva	50	4	200
8				Gross Total	890
9				Tax	89
10				Discount	106.8
11				Payable Amount	872.2

UNIVERSITY OF THE PUNJAB

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(Pharm.D.)

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Q.1. A group of 8 bits is called
    A. Nibble
    B. Byte
    C. Giga Byte
    D. None of Above

Q.2. Hardware refers to
    A. Collection of Programs
    B. Electronic and Electromagnetic Devices
    C. Data of Information
    D. Any Collection of Data

Q.3. Which of the followings is a Primary Storage Device?
    A. Hard Disk
    B. RAM
    C. Flash USB Drive
    D. CPU

Q.4. Which of the following is generally called "The heart of the Computer".
    A. Memory
    B. Central Processing Unit
    C. Hard Disk
    D. Registers

Q.5. If we increase the size of RAM, then system will reduce the usage of _____.
    A. ROM
    B. Virtual Memory
    C. Cache Memory
    D. Registers

Q.6. Cache Memory exist in
    A. ROM
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    C. Central Processing Unit
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- C. Motherboard
- D. RAM

Q.10. HTML is a programming language and it can be used for development of _____.
- A. Application Software
- B. Banking System
- C. Websites
- D. Management Information System

Q.11. A _____ website is one whose content is regenerated every time a user visits or reloads the site.
- A. Informative
- B. Entertainment
- C. Static
- D. Dynamic

Q.12. What is a portion of a document in which you set certain page formatting options?
- A. Page
- B. Document
- C. Page Setup
- D. Section

Q.13. The _____ allows you to copy the format setting applied to selected text to other text MS Word.
- A. Font
- B. Clipboard
- C. Design
- D. Format Painter

Q.14. What is gutter margin?
- A. Margin that is added to the left margin when printing
- B. Margin that is added to right margin when printing
- C. Margin that is added to the outside of the page when printing
- D. Margin that is added to the binding side of page when printing

Q.15. How are data organized in a spreadsheet?
- A. Lines and spaces
- B. Layers and planes
- C. Height and width
- D. Rows and columns

Q.16. A _____ is a built-in or predefine formula that makes it easy to perform a complex calculation in MS Excel.
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- B. Label
- C. Value
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- A. Network Topologies
- B. Network Terminologies
- C. Network Resources
- D. Network Processing

Q.19. A _____ is a communications device that connects multiple computer together and transmits data to its correct destination on a network.
- A. Router
- B. Firewall
- C. Modem
- D. Multiplexer

Q.20. A cable, consisting of a center glass core surrounded by layers of plastic that transmits data using light rather than electricity is called.
- A. Fiber optic
- B. Coaxial Cable
- C. Twisted pair Cable
- D. None of the above

SUBJECTIVE SECTION [30 Marks]

Question. 1 [06 Marks]
What is meant by Internet? How does the internet impact on the socio-economic aspects of our lives?

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Question.3 [06 Marks]
Define the following terms briefly. Each term should be defined no more than six lines.
1. Disk Controller
2. Interactive Whiteboard
3. Ports and Bays in a System Unit
4. Disk Defragmentation
5. HTML
6. Name any five software applications for data analysis

Question.4 [06 Marks]
Define Local Area Network (LAN) & Wide Area Network (WAN), also draw sample LAN implementation.

Question.5 [06 Marks]
Consider the following UCP Pharmacy Voucher. You are required to write **MS Excel Formulae** by considering the following constraints.
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- **Calculate Tax** 3% of Gross Total IF Gross Total is up to Rs.1000/- otherwise Tax would be 7% of Gross Total.
- **Calculate Discount** 8% of Gross Total IF Gross Total is up to Rs.800/- otherwise Discount would be 12% of Gross Total.
- **Payable Amount** is the calculation of Gross Total, Tax and Discount.

	A	B	C	D	E
1		**UCP Pharmacy**			
2	Sr. No.	Article Name	Rate	Quantity	Price
3	1	Panadole	20	2	40
4	2	Omega	150	6	900
5	3	Desprine	10	2	20
6	4	Concor	60	5	300
7	5	Simva	50	4	200
8				Gross Total	1460
9				Tax	102.2
10				Discount	175.2
11				Payable Amount	1387

UNIVERSITY OF THE PUNJAB

Final Prof. 2nd A/2016
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(Pharm.D.)

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Q.1. A CPU contains
A. a card reader and a printing device
B. an analytical engine and a control unit
C. a control unit and an arithmetic logic unit
D. an arithmetic logic unit and a card reader

Q.2. CD-ROM stands for
A. Compactable Read Only Memory
B. Compact Data Read Only Memory
C. Compact Disk Read Only Memory
D. Compactable Disk Read Only Memory

Q.3. VGA is
A. Video Graphics Array
B. Visual Graphics Array
C. Video Graphics Adapter
D. Volatile Graphics Array

Q.4. A normal CD- ROM usually can store up to _____ data?
A. 680 KB
B. 680 Bytes
C. 680 MB
D. 680 GB

Q.5. The main role of data de-fragmentation is to
A. Secure your data from viruses
B. Stop unauthorized use of data
C. Increase the data access speed
D. None of the Above

Q.6. System Restore Utility can enable us to restore
   A. drives data where OS is not installed
   B. your personal files
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   A. C++
   B. Fortran
   C. MIS
   D. HTML

Q.10. A _____ website is one whose content is regenerated at all a user visits or reloads the site.
   A. Static
   B. Informative
   C. Entertainment
   D. Dynamic

Q.11. How to use Format Painter multiple times
   A. By click on lock format painter icon
   B. By double click on the format painter icon
   C. By selecting Edit -> format painter -> multiple use
   D. Format painter cannot be use multiple times

Q.12. Microsoft Word is a very common example of _____ software.
   A. Messaging
   B. Application
   C. Communication
   D. Development

Q.13. What is the default font used in MS Word 2007 document?
   A. Times New Roman
   B. Calibri
   C. Arial
   D. Preeti

Q.14. As you type in MS Word, the insertion point moves automatically to the next line when you reach the right margin is called.

A. AutoComplete
B. Word Wrap
C. AutoCorrect
D. Spell & Grammar

Q.15. Getting data from a cell located in a different sheet is called....

A. Accessing
B. Referencing
C. Updating
D. Functioning

Q.16. A _____ is a built-in or predefine formula that makes it easy to perform a complex calculation in MS Excel.

A. Function
B. Label
C. Value
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A. Topologies
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Q.20. _____ resides on Layer 3 (Network Layer) of the OSI model.

A. Router
B. HUB
C. Switch
D. Bridge

SUBJECTIVE SECTION [30 Marks]

Question. 1 [06 Marks]

How does the computer technology be used to enhance the performance of a pharmaceutical professional?

Question.2 [06 Marks]

What is Data Processing and Data Processing Cycle, and also describe the difference between Batch Processing and Real-Time Processing.

Question.3 [06 Marks]

Define the following terms briefly. Each term should be defined no more than six lines.

1. Disk Controller
2. ROM & RAM
3. Computer Viruses & Anti-Viruses
4. Access Time of Memory
5. Interactive Whiteboard
6. Ports and Bays in a System Unit

Question.4 [06 Marks]

You have established an office of graphic designing and you have to purchase a computer for this office. Please list down the specifications of the following devices that will fulfill your needs as a graphic designer.

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b. Memory
c. Input Devices
d. Storage Devices
e. Communication Devices

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7	5	Simva	50	4	200
8				Gross Total	890
9				Tax	89
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11				Payable Amount	872.2

UNIVERSITY OF THE PUNJAB

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- B. an analytical engine and a control unit
- C. a control unit and an arithmetic logic unit
- D. an arithmetic logic unit and a card reader

Q.2. _____ is the processed and organized data presented in a meaning form.
- A. Data
- B. Information
- C. Byte
- D. None of Above

Q.3. Software is the _____ part that tells the computer how to do its job.
- A. Tangible
- B. Non-Tangible
- C. Invisible
- D. None of Above

Q.4. A byte can store
- A. Alphabet
- B. Special Character
- C. Space
- D. All of Above

Q.5. Hardware refers to
- A. Collection of Programs
- B. Electronic and Electromagnetic Devices
- C. Data of Information
- D. Any Collection of Data

Q.6. Which of the followings is a Primary Storage Device?
- A. Hard Disk
- B. RAM
- C. Flash USB Drive
- D. CPU

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Q.9. Cache Memory exist in
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Q.10. _____ contains the pre-programmed computer instructions such as the Basic Input Output System (BIOS).
- A. RAM
- B. ROM
- C. CPU
- D. Registers

Q.11. Which of the following is an example of input device.
- A. Audio Speakers
- B. Touch Screen LED Monitor
- C. Printer
- D. None of Above

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Q.16. Which Printer is an expensive one and better then from other printers in performance?

    A. Dot-Matrix Printer

    B. Laser Printer

    C. Ink-Jet Printer

    D. Thermal Printer

Q.17. Pictures/Images may have the following file extensions.

    A. exe, doc, pdf

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    C. bmp, gif, jpg

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Q.18. The physical arrangement in a computer that contains the computer's basic circuitry and components is called.

    A. Processor

    B. Hard Disk

    C. Motherboard

    D. RAM

Q.19. What is LINUX?

    A. Malware

    B. Operating System

    C. Application Program

    D. Firmware

Q.20. Operating System is an example of_____.

    A. Application Software

    B. Banking System

    C. System Software

    D. Management Information System

Question. 1 [06 Marks]

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A. 4 bits
B. 8 bits
C. 12 bits
D. 16 bits

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Q.18. The physical arrangement in a computer that contains the computer's basic circuitry and components is called.
A. Processor
B. Hard Disk
C. Motherboard
D. RAM

Q.19. Operating System is an example of_____.
A. Application Software
B. Banking System
C. System Software
D. Management Information System

Q.20. What is LINUX?
A. Malware
B. Operating System
C. Application Program
D. Firmware

Question.1 [06 Marks]

How does the computer technology be used to enhance the performance of a pharmaceutical professional?

Question.2 [06 Marks]

What is Systems Development Life Cycle (SDLC)? Briefly, explain its phases.

Question.3 [06 Marks]

Define Local Area Network (LAN) & Wide Area Network (WAN), also draw sample LAN implementation.

Question.4 [06 Marks]

You have established a small office and you have to purchase a computer for this office. Please list down the specifications of the following devices that will fulfill your needs as a small office user.

    a. Processor
    b. Memory
    c. Input Devices
    d. Storage Devices
    e. Communication Devices

Question.5 [06 Marks]

Define the following terms briefly. Each term should be defined no more than six lines.

    a. Network Topology & Types of Topology
    b. Computer Viruses & Anti-Viruses
    c. Name any five software applications for data analysis

UNIVERSITY OF THE PUNJAB

Final Prof : Annual – 2018

Examination: Doctor of Pharmacy (Pharm.D.)

Roll No. ....

Subject: Computer and its Application in Pharmacy

PAPER: 6   Part – I (Compulsory)

TIME ALLOWED: 30 min.

MAX. MARKS: 20

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Attempt this Paper on this Question Sheet only.

Please encircle the correct option. Each MCQ carries 1 Mark. This Paper will be collected back after expiry of time limit mentioned above.

Q.1. _____ is the processed and organized data presented in a meaning form.
A. Data
B. Information
C. Byte
D. None of Above

Q.2. A byte can store
A. Alphabet
B. Special Character
C. Space
D. All of Above

Q.3. Any data or instructions entered into the memory of a computer is considered as
A. Storage
B. Input
C. Output
D. Information

Q.4. A Special Character can be stored in
A. One byte
B. Two bytes
C. Three bytes
D. Four bytes

Q.5. Hardware refers to
A. Collection of Programs
B. Electronic and Electromagnetic Devices
C. Data of Information
D. Any Collection of Data

Q.6. Which of the followings is a Primary Storage Device?
A. Hard Disk
B. RAM
C. Flash USB Drive
D. CPU

Q.7. Which of the following is not an application software package?.
A. Redhat Linux
B. Microsoft Office
C. Adobe Reader
D. Open Office

Q.8. Which of the following is generally called "The brain of the Computer".
A. Memory
B. Central Processing Unit
C. Hard Disk
D. Registers

Q.9. A list of instructions used by a computer is called
A. Text
B. CPU
C. Program
D. Output

Q.10. Cache Memory exist in
A. ROM
B. Hard Disk
C. Central Processing Unit
D. Registers

PTO

Q.11. Which is considered a direct entry input device?
   A. Optical Scanner
   B. Mouse
   C. Light Pen
   D. All of the above

Q.12. Computer Virus is a _____.
   A. Hardware
   B. Software
   C. Bacteria
   D. Freeware

Q.13. The Operating system Manages
   A. Memory
   B. Processor
   C. Disk and I/O Devices
   D. All of the above

Q.14. Which Printer is an expensive one and better then from other printers in performance?
   A. Dot-Matrix Printer
   B. Laser Printer
   C. Ink-Jet Printer
   D. Thermal Printer

Q.15. The main role of data de-fragmentation is to
   A. Secure your data from viruses
   B. Stop unauthorized use of data
   C. Increase the data access speed
   D. None of the Above

Q.16. Pictures/Images may have the following file extensions.
   A. exe, doc, pdf
   B. dll, lib, ppt
   C. bmp, gif, jpg
   D. txt, zip

Q.17. The physical arrangement in a computer that contains the computer's basic circuitry and components is called.
   A. Processor
   B. Hard Disk
   C. Motherboard
   D. RAM

Q.18. Operating System is an example of _____.
   A. Application Software
   B. Banking System
   C. System Software
   D. Management Information System

Q.19. If we increase the size of RAM, then system will reduce the usage of _____.
   A. ROM
   B. Virtual Memory
   C. Cache Memory
   D. Registers

Q.20. A normal CD- ROM usually can store up to _____ data?
   A. 680 KB
   B. 680 Bytes
   C. 680 MB
   D. 680 GB

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UNIVERSITY OF THE PUNJAB

Final Prof : Annual – 2018

Examination: Doctor of Pharmacy (Pharm.D.)

Subject: Computer and its Application in Pharmacy
PAPER: 6   Part – II

TIME ALLOWED: 2 Hrs. & 30 min.
MAX. MARKS: 30

Attempt this Paper on Separate Answer Sheet provided.
Attempt all questions. Each question carry equal marks.

Question. 1   [06 Marks]

What is meant by Internet? How does the internet impact on the socio-economic aspects of our lives?

Question.2   [06 Marks]

What is the difference between systems analysis and systems design?

Question.3   [06 Marks]

What is Data Processing and Data Processing Cycle, and also describe the difference between Batch Processing and Real-Time Processing.

Question.4   [06 Marks]

You have established a small office and you have to purchase a computer for this office. Please list down the specifications of the following devices that will fulfill your needs as a small office user.

    a. Processor
    b. Memory
    c. Input Devices
    d. Storage Devices
    e. Communication Devices

Question.5   [06 Marks]

Define the following terms briefly. Each term should be defined no more than six lines.

    a. ROM & RAM
    b. Interactive Whiteboard
    c. Computer Viruses & Anti-Viruses

UNIVERSITY OF THE PUNJAB

Final Prof: 2nd Annual – 2018

Examination: Doctor of Pharmacy (Pharm.D.)

Subject: Computer and its Application in Pharmacy (New Course)
PAPER: 6   (Part – II)

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Attempt all questions. Each question carry equal marks.

Question. 1   [06 Marks]

What is Systems Development Life Cycle (SDLC)? Briefly, explain its phases.

Question. 2   [06 Marks]

Define Local Area Network (LAN) & Wide Area Network (WAN), also draw sample LAN implementation.

Question. 3   [06 Marks]

How does the computer technology be used to enhance the performance of a pharmaceutical professional?

Question. 4   [06 Marks]

You have established an office of graphic designing and you have to purchase a computer for this office. Please list down the specifications of the following devices that will fulfill your needs as a graphic designer.

    a. Processor
    b. Memory
    c. Input Devices
    d. Storage Devices
    e. Communication Devices

Question. 5   [06 Marks]

Define the following terms briefly. Each term should be defined no more than six lines.

    a. Network Topology & Types of Topology
    b. Name all OSI Reference Layers
    c. Name any five software applications for data analysis

UNIVERSITY OF THE PUNJAB

Final Prof: 2nd Annual – 2018

Examination: Doctor of Pharmacy (Pharm.D.)

Roll No. in Fig. ....

Roll No. in Words. ....

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Signature of Supdt.:

Subject: Computer and its Application in Pharmacy (New Course) **MAX. TIME: 30 Min.**

PAPER: 6   Part – I (Compulsory)   **MAX. MARKS: 20**

Attempt this Paper on this Question Sheet only.
Please encircle the correct option. Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1.   Encircle the right answer cutting and overwriting is not allowed.   **(1x20=20)**

Q.1. A byte consists of
- A. 4 bits
- B. 8 bits
- C. 12 bits
- D. 16 bits

Q.2. The 0 and 1 in the binary numbering system are called Binary Digits or
- A. Bits
- B. Bytes
- C. Kilobytes
- D. Decimal Bytes

Q.3. One Terabyte contains
- A. 1024 bytes
- B. 1024 Kilobytes
- C. 1024 Megabytes
- D. 1024 Gigabytes

Q.4. Software is the _____ part that tells the computer how to do its job.
- A. Tangible
- B. Non-Tangible
- C. Invisible
- D. None of Above

Q.5. Which of the following statement is wrong?
- A. Photoshop is a graphical design tool by Adobe
- B. Linux is free and open source software
- C. Windows 10 is an operating system
- D. Microsoft Word is a system software

Q.6. If we decrease the size of RAM, then system will increase the usage of _____.
- A. ROM
- B. Virtual Memory
- C. Cache Memory
- D. Registers

Q.7. Which of the following is an example of Impact Printers
- A. Inkjet Printers
- B. LaserJet Printers
- C. Dot-matrix Printers
- D. Photography Printers

Q.8. Which of the following is an example of input device.
- A. Audio Speakers
- B. Touch Screen LED Monitor
- C. Printer
- D. None of Above

Q.9. _____ is the high speed memory used in the computer.
- A. RAM
- B. Hard Disk
- C. Cache
- D. BIOS

P.T.O.

Q.10. CD-ROM stands for
   A. Compactable Read Only Memory
   B. Compact Data Read Only Memory
   C. Compact Disk Read Only Memory
   D. Compactable Disk Read Only Memory

Q.11. _____ perform basic tasks, such as recognizing input from the keyboard, sending output to the display screen, keeping track of files and directories on the disk, and controlling peripheral devices such as disk drives and printers.
   A. Application Software
   B. Messaging Software
   C. Operating System
   D. Management Information System

Q.12. What is LINUX?
   A. Malware
   B. Operating System
   C. Application Program
   D. Firmware

Q.13. System Restore Utility can enable us to restore
   A. drives data where OS is not installed
   B. your personal files
   C. system state
   D. option a & b both

Q.14. An error is also known as:
   A. Bug
   B. Debug
   C. Cursor
   D. Icon

Q.15. GUI stands for
   A. Graph Use Interface
   B. Graphical Universal Interface
   C. Graphical User Interface
   D. Graphical Unique Interface

Q.16. _____ contains the pre-programmed computer instructions such as the Basic Input Output System (BIOS).
   A. RAM
   B. ROM
   C. CPU
   D. Registers

Q.17. The two kinds of main memory are:
   A. Primary and Secondary
   B. Random and Sequential
   C. ROM and RAM
   D. All of above

Q.18. Which of the following Optical Drive can store more data.
   A. Compact Disk
   B. Digital Versatile Disk
   C. Blue Ray Disk
   D. None of Above

Q.19. A CPU contains
   A. a card reader and a printing device
   B. an analytical engine and a control unit
   C. a control unit and an arithmetic logic unit
   D. an arithmetic logic unit and a card reader

Q.20. Graphical pictures that represent an object like file, folder etc are:
   A. Task bar
   B. Windows
   C. Icons
   D. Desktop

ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.
Division of marks is given in front of each question.
This Paper will be collected back after expiry of time limit mentioned above.

Q.1.   Encircle the correct option.   (20x1=20)

i.   _____ is a collection of unprocessed items, which can include text, numbers, images, audio, and video.
   a)   Input   b)   Output
   c)   Information   d)   Data

ii.   The _____ unit is a case that contains electronic components of the computer that are used to process data.
   a)   Power Supply   b)   Motherboard
   c)   Processor   d)   System

iii.   A(n) _____ device is any hardware component that conveys information to one or more people.
   a)   Storage   b)   Information
   c)   Input   d)   Output

iv.   A(n) _____ computer is a type of personal computer designed so the system unit, input devices, and any other devices fit entirely on or under a desk or table.
   a)   Laptop   b)   Server
   c)   Mobile   d)   Desktop

v.   Possible dangers and threats for files are that fie can be:
   a)   Destroyed   b)   Modified
   c)   Accessed   d)   All of above

vi.   _____ are electronic collection of real or virtual resources which is available anywhere in the world online or offline.
   a)   Digital libraries   b)   Informative Websites
   c)   Library Management Systems   d)   Simulation Laboratories

vii.   Which of the following is a System Software?
   a)   Redhat Linux   b)   Microsoft Office
   c)   Adobe Reader   d)   Open Office

viii.   Data becomes _____ when it is presented in a format that people can understand and use
   a)   Information   b)   Processed
   c)   Graphs   d)   Presentation

ix.   The step-by-step instructions that solve a problem are called _____.
   a)   A Algorithm   b)   A list
   c)   A plan   d)   A sequential structure

x.   _____ perform basic tasks, such as recognizing input from the keyboard, sending output to the display screen, keeping track of files and directories on the disk, and controlling peripheral devices such as disk drives and printers.
   a)   Operating System   b)   Application Software
   c)   Messaging Software   d)   Management Information System

P.T.O.

xi. _____ gives you the facility to share your views or media publicly or privately and to keep in touch with people you want to.
a) Search Engines
b) Shopping or Auction Sites
c) Social Networking Websites
d) Blogs

xii. A(n) _____ is a set of programs containing instructions that work together to coordinate all the activities among computer hardware resources.
a) Email program
b) Spreadsheet program
c) Operating system
d) Web browser

xiii. A printer can be classified as a(n) _____
a) System unit
b) Input device
c) Output device
d) Processor

xiv. Which Printer is an expensive one and better then from other printers in performance?
a) Dot-Matrix Printer
b) Ink-Jet Printer
c) Laser Printer
d) Thermal Printer

xv. A scanner can be classified as a:
a) Processor
b) System unit
c) Input device
d) Output device

xvi. _____ storage provides user with the convenience of accessing their files from almost anywhere using internet.
a) Primary
b) Cloud
c) Rain
d) Sun

xvii. The physical arrangement III a computer that contains t e computer's basic circuitry and components is called.
a) Processor
b) Motherboard
c) Hard Disk
d) RAM

xviii. Connects computers and devices in a limited geographical area such as a home, school computer laboratory, office building, or closely positioned group of buildings.
a) WAN
b) LAN
c) MAN
d) None of the above

xix. An unintelligent network device that sends one signal to all of the connected stations is known as:
a) Switch
b) HUB
c) Bridge
d) Router

xx. A cable, consisting of a center glass core surrounded by layers of plastic that transmits data using light rather than electricity is called.
a) Coaxial Cable
b) Fiber optic
c) Twisted pair Cable
d) None of the above

UNIVERSITY OF THE PUNJAB

Roll No. ....

Doctor of Pharmacy (Pharm.D.) Final Prof: Annual–2019

Subject: Computer and its Application in Pharmacy (Old Course)
Paper: 6   Part – II

Time: 2 Hrs. 30 Min. Marks: 30

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Note: Attempt ALL questions. Each question carries equal marks.

Q.2. What is meant by Internet? How does the internet impact on the socio-economic **(06)** aspects of our lives?

Q.3. Discuss in detail Network Topologies with the help of diagram. **(06)**

Q.4. What is the difference between systems analysis and systems design? **(06)**

Q.5. You have established a small office and you have to purchase a computer for **(06)** this office. Please list down the specifications of the following devices that will fulfill your needs as a small office user.

- Processor
- Memory
- Input Devices
- Storage Devices
- Communication Devices

Q.6. Define the following terms briefly. Each term should be defined no more than six **(06)** lines.

a. Name all OSI Reference Layers
b. Input Devices and Output Devices

c. Name any five data analysis software.