CHRISTIAN SERVICE UNIVERSITY COLLEGE
KUMASI, GHANA
FACULTY OF HEALTH AND APPLIED SCIENCES
DEPARTMENT OF COMPUTER SCIENCE
END OF FIRST SEMESTER EXAMINATIONS – 2020/21 ACADEMIC YEAR
L 100
BSIT 101/CSCP 103: INTRODUCTION TO INFORMATION TECHNOLOY

May, 2021   **70 Marks**   **Time Allowed: 2hrs**

- This exam is made up of two sections; namely sections A & B
- Answer All Questions in Sections A On the Question paper.
- Answer All Questions in this Section in the answer booklet

Examiner: Edward Opoku Mensah

1. World has become a global village because of
   a. Information technology
   b. Networking
   c. Chatting
   d. Transferring information

2. What is the meaning of CPU?
   a. Central Processing Unit
   b. Critical Processing Unit
   c. Crucial Processing Unit
   d. Center Processing Unit

3. The acronym for PC stands for
   a. Private computer
   b. Personal compact
   c. Personal computer
   d. Privacy computer

4. Information Technology can be defined as the use of _____ and
   _____
   a. Hardware and tools
   b. Hardware and softcopy
   c. Hardware and software
   d. Tools and software

5. With the advance of information technology, doctors nowadays are able to help by this kind of technology called
   a. Telephone
   b. Telerobotic
   c. Telemedicine
   d. Telesurgery

6. The first calculating device is called
   a. Multiplying machine
   b. Analytical engine
   c. Adding machine
   d. ABASCUS

7. 230KB= 1024MB
   a. True
   b. False

8. Operatingsystemfallsunder
   a. applicationsoftware
   b. highlevellanguage

   c. systemsoftware
   d. allaretrue

9. MicrosoftWord, PowerPoint, Excelandeditorallare
   a. softwareUtilities
   b. applicationsoftware
   c. systemsoftware
   d. noneis true

10. Useraccountsallowstochangethepassword orremovethepassword
    a. True
    b. False

11. BMO, JPG, TIFandPNGallareformatsof
    a. Picture
    b. Image
    c. Documentfile
    d. Allaretrue

12. Firewall in computer is used for
    a. Security
    b. Data transmission
    c. Authentication
    d. Monitoring

13. Which of the following is not an Operating System?
    a. DOS
    b. macOS
    c. C
    d. Linux

14. 1024 bit is equal to how many bytes
    a. 1 byte
    b. 128 byte
    c. 32 byte
    d. 64 byte

15. The full form of "OS" is
    a. Order of significance
    b. Operating system
    c. Open software
    d. Optical Sensor

16. Application software is a subset of system software
    a. True
    b. False

17. Using the Black Box model, we can think of a computer flow as
    a. Input -> Process -> Output
    b. Process -> Output -> Input
    c. Output -> Input -> Process
    d. Input -> Output -> Process

18. Components of a computer system include
    a. Hardware, Software, Human being
    b. Input, output processing, storage
    c. All
    d. None

19. Application software helps the computer perform essential operating tasks and enables the System software to run
    a. True
    b. False

20. Application software enables you to perform specific tasks such as solve problems, perform work, or entertain yourself
    a. True
    b. False

21. Which of the following is correct
    a. Programs are stored in the Computer input
    b. Programs are stored in the Computer output
    c. Programs are stored in the Computer memory
    d. Programs are stored in the Computer processor

22. Super computers fall under the Mainframe computer category.
    a. True
    b. False

23. According to the Von Neumann model, which of the following is not logical units of a computer?
    a. Stored program
    b. Central processing unit
    c. Memory
    d. None of the above

24. A typical PC system is made up of
    a. Mouse
    b. Keyboard
    c. System unit
    d. Plotter

25. The basic operations of a computer includes
    a. Input operation
    b. Communication operation
    c. Storage operation
    d. All of the above

26. Choose the right Operation Cycle of a computer
    a. Processing -> Storage -> Output -> Communication -> Input
    b. Input -> Storage -> Output -> Processing -> Communication
    c. Input -> Processing -> Storage -> Output -> Communication
    d. Output -> Processing -> Communication-> Input -> Storage

27. Which of the following is not an example of input hardware?
    a. Keyboard
    b. Scanner
    c. Speakers
    d. Joystick

28. Intel Core i3 second generation, is better than Intel core i7 first generation
    a. True
    b. False

29. Expansion slots are for expanding the PC's capabilities, which give you places to plug in additional circuit boards
    a. True
    b. False

30. Storage devices include the following except
    a. HDD
    b. SSD
    c. SDD

d. Blu-raydisc

31. Howmanytypesofmemoryofmemoryar
ethereincomputers
    a. 1
    b. 2
    c. 3
    d. 4

32. Fromthelistbelow, whichitemisnot
categorized under Output Hardware?
    a. Monitor
    b. Printer
    c. Microphone
    d. Speaker

33. System software helps the computer
perform essential operating tasks and
enables the application software to
    a. True
    b. False

34. Whichofthefollowingisanexampleofan
OperatingSystem?
    a. Excel
    b. Doors
    c. UNIX
    d. VLC

35. Whichofthefollowingisnotanexampleo
fanApplication Software?
    a. Microsoft Word
    b. Internet explorer
    c. MicrosoftWindows
    d. PowerPoint

36. In linewithproblemswithsoftware,
symptoms of bugs include hanging &
crashes
    a. True
    b. False

37. The Graphical User Interface (GUI)
represents all the program / computer
resources as icons
    a. True
    b. False

38. Information technology is a general
term that describes any technology
that helps to produce, manipulate,

store, communicate, and/or
disseminate information
    a. True
    b. False

39. A network is a communications
system connecting 1 computer
    a. True
    b. False

40. InInformationTechnology,
computerscanaffectfinancialmattersint
hefollowingexcept
    a. Virtualmoney
    b. Micro-credits
    c. Telemedicine
    d. Micro-payments

41. A Standard Computer
Architecture supports the following
number systemsexcept
    a. Binary
    b. Octal
    c. Vigesimal
    d. Decimal

42. WhatistherangeofaHexadecimalnumbe
rsystem?
    a. 0, 1
    b. 0 – 7
    c. 0 – 9
    d. 0 – 9, A – F

43. WhatistherangeofaDecimal
numbersystem?
    a. 0, 1
    b. 0 – 7
    c. 0 – 9
    d. 0 – 9, A – F

44. AnalternatenameofDecimal
numbersystem is
    a. Base 8
    b. Base 16
    c. Base 2
    d. Base 10

45. Analternatenameof Sexagesimal is
    a. Base 60
    b. Base 20
    c. Base 12
    d. Base 10

SECTION B

Question 1

1. Using the Black Box model, illustrate and explain how computers process information

    [10 Marks]

2.

    a. Convert 2KB (KiloByte) into bytes. Afterwards, convert the results then into bits.

[4 Marks]

    b. Convert 468_{10} to Octal number system

    [3 Marks]

    c. Convert 10.101_2 to Base 10

    [3 Marks]

3. Differentiate between System software and Application software, and give examples.

[10 Marks]

4. List and explain the components of a computer system.

    [10 Marks]

5. . Code a C++ algorithm to multiply three numbers. Display your final answer with the compiler.

[10 marks]

6.

    a. What is the purpose of the Operating system? Give 5 examples of operating systems

    [5 Marks]

    b. Differentiate between Internet, Intranet, and extranet

    [5 Marks]