

<<DEPARTMENT OF COMPUTER SCIENCE, UNIVERSITY OF BENIN, BENIN CITY

**FIRST SEMESTER EXAMINATION FOR 2020/2021 SESSION: COURSE CODE:
CSC110 . DATE: 10TH DECEMBER, 2021. TIME: 50 MINS. COURSE TITLE:
INTRODUCTION TO COMPUTERS. INSTRUCTION: ATTEMPT ALL QUESTIONS
PAPER TYPE: C**

1. The development of the _____ was the hallmark of the third generation of computers
(a) Vacuum (b) Integrated circuits (c) Transistors (d) Microprocessors (e) Multiprocessors
2. Which of the following is a component of the main memory of the first generation of computers? (a) Punched cards (b) paper tapes (c) vacuum tubes (d) Magnetic drums (e) chip board.
3. Convert 23 to its binary equivalent. (a) 10111 (b) 11101 (c) 11011 (d) 01111 (e) 11110
4. _____ is a set of rules that enables remote login over the internet (a) FTP (b) HTTP (c) Telnet (d) TCP/IP (e) Gopher
5. The following are valid domain names except (a) net (b) gov (c) com (d) biz (e) org
6. The instructions used to control hardware and accomplish tasks are called _____. (a) hardware (b) software (c) windows (d) intel (e) Linux
7. What is the evolving hardware of the second-generation computer? (a) vacuum tubes (b) Resistors (c) integrated circuits (d) microprocessors (e) Transistors
8. Which of the following does not characterize any generation of computers? (a). Transistors (b) Vacuum tube(c). Mainframe (d). Artificial Intelligence (e) None of the options listed
9. Which of the following is not an example of a personal computer? (a) Palmtop (b). Notebook (c) mobile phones (d) Personal Digital Assistants (e). None of the options listed
10. Convert 133 from octal to decimal (a). 91(b) 101 (c) 63 (d) 45(e) None of the options listed
- 11..... is not a type of printer (a) Dot matrix (b). Inkjet (c) Laser (d). Thermal
(e). None of the options listed
12. Special purpose computers are also known as systems (a). Unique (b). dedicated (c). reserved (d). specified (e). None of the options listed
13. Which of these is not a function of operating systems (a). POST (b). Resource Allocation (c). File Management (d). Disk formatting (e). None of the options listed

14. Computers that have both attributes of both analog and digital computers are called computers (a) Mini (b) Dedicated (c) Hybrid (d) Super (e) None of the options listed.
- 15 Convert 346 from octal to binary (a) 011100110 (b) 100110100 (c) 101011000 (d) 100010000 (e) None of the options listed
- 16 A computer on internet is identified by (a) Email address (b) Street address (c) IP address (d) Server address (e) None of the options listed
- 17 Computer web pages are written in a type of language which is (a) Hypertext (b) Multimedia (c) Hyperlinks (d) Assembly (e) None of the options listed
- 18 _____ is an example of Internet browser software. (a) Microsoft Office (b) AutoCad (c) Mozilla Firefox (d) Brazer (e) None of the options listed
- 19 MS DOS is an example of (a) Multitasking Operating System (b) Multiprocessing Operating System (c) Single User Operating System (d) Virtual Machine Operating System (e) All the options listed
- 20 1476 in octal to binary gives (a) 001100001100 (b) 001100111110 (c) 110111001100 (d) 111100110001 (e) 100110001111
21. What is the decimal equivalent of the binary number 10111? (a) 32 (b) 23 (c) 20 (d) 12 (e) 21
22. Which of these read hand drawn marks such as small circles or rectangles, with the marks placed on forms, survey or questionnaire answer sheets? (a) magnetic ink character recognition (b) bar code readers (c) optical mark recognition (d) web cam (e) optical scanner
23. Which of these forms characters or images by striking a mechanism such as a print hammer or wheel against an inked ribbon, leaving an image on paper? (a) impact printers (b) non-impact printers (c) inkjet printers (d) laser printers (e) none of the options
24. Which of these is NOT correct? (a) OOP means oriented object programming (b) BASIC stands for Beginners All-purpose symbolic instruction code (c) COBOL stands for Common Business Oriented Language (d) visual basic is an extension of BASIC (e) FORTRAN stands for formula translator
25. The set of rules or protocol that governs the transfer of hypertext between two or more computers is? (a) FTP (b) Telnet (c) HTTP (d) Gopher (e) TCP/IP
26. Which of these is an identifier for a particular machine on a particular network, and is part of a scheme to identify computers on a particular network (a) domain name (b) IP address (c) URL (d) HTTP (e) FTP

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27. Which of these is NOT a function of a computer? (a) accepts data (b) store the data (c) process the data (d) give out the processed information (e) none of the options listed
28. The first commercially available computer is? (a) EDSAC (b) ENIAC (c) UNIVAC (d) EDVAC (e) JOHNNIAC
29. A type of computer that is at the frontline of current processing capacity and used for highly calculation-intensive tasks such as problems involving quantum mechanics, weather forecasting and nuclear research is? (a) mainframe (b) microcomputer (c) minicomputer (d) supercomputer (e) workstations
30. Which of these is thought of as the brain of the computer (a) CPU (b) control unit (c) ALU (d) registers (e) memory?
31. The difference between memory and storage is that memory is _____ and storage is _____.
(a) Temporary, permanent (b) Permanent, temporary (c) Slow, fast (d) All of the options listed
(e) None of the options listed
32. Software in computer (a) Enhances the capabilities of the hardware machine (b) Increase the speed of central processing unit (c) (a) and (b) (d) None of the options listed (e) All the options listed
33. UNIVAC is (a) Universal Automatic Computer (b) Universal Array Computer (c) Unique Automatic Computer (d) Unvalued Automatic Computer (e) None of the options listed
34. Which of these interfaces interact directly within the system user? (a) Operating System (b) Application software (c) System software (d) System keyboard (e) System Mouse
35. The expression: $y = x + 1$ will be executed primarily by which of these? (a) Control Unit (b) Registers (c) Memory (d) Arithmetic and Logic Unit (ALU) (e) System unit
36. Which of these has the capability to hold processed information? (a) RAM (b) ROM (c) EEPROM (d) PROM (e) EPROM
37. An extra bit added to an erroneous code is known as? (a) Extra Bit (b) Added Bit
(c) Parity Bit (d) Binary Bit (e) Code Bit
38. What is the difference between a camera and a webcam? (a) Cameras are input devices while webcams are not (b) Webcams are peripheral devices while camera is not (c) Cameras are always wireless component while webcam are not (d) Webcams are web browser input component while camera are not (e) All the options listed
39. Which of these possibly is an advantage of using office suit? (a) The possibility of file sharing (b) The package is easy to obtain (c) The package is free (d) They are universal across all platforms (e) All the options listed

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40. Which of this software under Microsoft office suit support file sharing ?(a)Word processor
(b)Spreadsheet (c)Communication software (d)Internet browser (e) Graphic design
41. Which of these is NOT true (a) URL consists of letters and numbers only (b) every resource available via the www has a unique URL (c) URL represents a standardized addressing scheme for internet resources (d) a URL identifies particular internet resource (e) the basic structure of URL is hierarchical and moves from left to right
42. EEPROM stands for (a) Erasable Electrical Programmable Read Only Memory (b) Electronic Erasable Programmable Read Only Memory (c) Electrically Erasable Programmable Read Only Memory (d) Erasable Electronic Programmable Read Only Memory (e) none of the options listed
43. Which of these is more common and slower because it needs to be refreshed thousands of times per second (a) dynamic RAM (b) static RAM (c) EPROM (d) EEPROM (e) PROM
44. Which of these is NOT true of computers (a) computers are dumb machines (b) computers can not perceive (c) computers pose problems (d) computers cannot think or act on their own (e) computer networks are costly to develop
45. Which of these is NOT a characteristic of computers (a) speed (b) accuracy (c) intelligence (d) storage (e) automation
46. Thousands of integrated circuits were built onto a single silicon chip that can fit in the palm of the hand in the (a) third generation computers (b) fourth generation computers (c)second generation computers (d) first generation computers (e) fifth generation computers
47. Which of these translates the instructions of a high level language(HLL) to machine codes (a) compiler (b) interpreter (c) assembler (d) translator (e) IP address
48. Fifth generation languages are (a) machine languages (b) assembly languages (c) procedural oriented languages (d) problem oriented languages (e) natural languages
49. The capacity of an internet connection is referred to as (a) bandwidth (b) kilobyte (c) megabyte (d) gigabyte (e) byte
50. Which of these languages promised to have profound effect in the area of artificial intelligence and expert systems (a) first generation (b) second generation (c) third generation (d) fourth generation (e) fifth generation

15.

**DEPARTMENT OF COMPUTER SCIENCE
FACULTY OF PHYSICAL SCIENCES,
UNIVERSITY OF BENIN, BENIN CITY, NIGERIA**

1ST SEMESTER EXAMINATION FOR 2019/2020 ACADEMIC SESSION

COURSE CODE: CSC110

TIME: 1 Hour

COURSE TITLE: Introduction to Computing

INSTRUCTIONS: Attempt all Questions and shade the box corresponding to the option above.

1. _____ helps to improve the visibility of an organisation (a) Email address (b) Home page (c) Network connection (d) digital product
2. The set of rules that determine the operations of a network are called internet _____ (a) service providers (b) resource locators (c) protocols (d) users regulation
3. HTML codes are used to _____ (a) create links (b) connect resources (c) locate address (d) transmit signals
4. Internet is based on _____ (a) FTP/ IP (b) HTTP/ FTP (c) TCP/IP (d) TCP/FTP
5. Which of the following terms appropriately describes the distinctive characteristics of fourth generation computers? (a) Magnetic tape (b) Large scale integration circuits (c) Vacuum tube (d) Microprocessor
6. General purpose or third generation languages are also called _____ languages. (a) Procedural (b) Problem-oriented (c) Natural (d) Object-oriented
7. GIGO (Garbage In, Garbage Out) describes a computer's _____ (a) Flexibility (b) Accuracy (c) Automation (d) Storage
8. _____ is used to describe the process of eliminating program faults? (a) Translation (b) Debugging (c) Compiling (d) Computing
9. ENIAC means (a) Elementary Numerical Integrator and Calculator (b) Electronic Numerical Integrator and Calculator (c) Electronic Numerical Integrator and Circuits (d) Equivalent Numerical Integrator and Circuits.
10. The simulation of real life processes using a computer is known as computer _____ (a) imaging (b) modeling (c) natural processes (d) image capture
11. EFT in online banking stands for Electronic _____ (a) Financial Transaction (b) Funds Transaction (c) Financial Transfer (d) Funds Transfer
12. The computing terminology 'virtual' implies _____ (a) computing space (b) sophisticated and digital system (c) environment simulated by hardware and software (d) system of imagination and prediction
13. Architects can show clients the preview of buildings and landscape using _____ (a) computer aided view (b) abstract design (c) virtual reality (d) dimensional design
14. _____ entails working from anywhere and communicating with the office (a) dual communication technology (b) cyber communication (c) telecommuting (d) virtual work space
15. Computers can be classified according to the following except _____ (a) size (b) design (c) purpose (d) signal
16. Read Only Memory (ROM) is described as _____ because the information it stores is not lost when there is power outage. (a) static (b) dynamic (c) non-Volatile (d) processed
17. Information in _____ is permanent and programmed by the manufacturer (a) RAM (b) ROM (c) DRAM (d) SRAM
18. One of the functions of the Random Access Memory (RAM) is _____ (a) holding processed data (b) storing large data (c) Keeping static data (d) storing rigid data

19. Which of these viruses can carry out a read/write operation on computer resources? (a) boot sector virus (b) File Virus (c) Trojan virus (d) sector worm
20. Which of these is NOT a computer crime? (a) Cyberextortion (b) cyberbullying (c) Ransomware (d) cybertalking
21. Which of these will not protect identity theft? (a) Protect your NIN number (b) Take caution in public space (c) Password protect computers (d) Ignore your trash
22. Of these ethical issues which of these directly exempt the user? (a) Professional responsibility (b) Computer protection (c) Company Privacy (d) None listed
23. Which of these data is not considered under data privacy? (a) Sensitive data (b) Data intended for malicious purpose (c) Departmental memo (d) None listed
24. Which of these computer attacks go beyond an individual? (a) Shoulder surfing (b) Eavesdropping (c) Collision (d) man-in-the-middle
25. Which of these will not be considered as data theft? (a) Trade secret (b) Declassified files (c) Course marking scheme (d) Pricing policy
26. Laws and regulations governing computer crimes are the sole responsibility of _____? (a) Government agency (b) Computer professionals (c) Both Computer professionals and government agent (d) None of the above
27. Computer ethics is tied to professional conducts as well as _____ (a) Social conducts (b) Legal conducts (c) Family conducts (d) All of the above
28. Computer professionals who are paid to look for company system vulnerabilities are known as _____ (a) Hacker (b) Crackers (c) Ethical hackers (d) Walkers
29. The resident portion of the operating system can be called any of the following except _____ (a) executive (b) monitor (c) domain (d) supervisor
30. Which of the following is not a programming tool? (a) language translators (b) programming languages (c) loaders (d) Apps
31. The following are examples of operating systems except (a) Unix (b) Linux (c) DOS (d) GUI
32. _____ are special purpose software programs used to convert programming language instructions to machine codes. (a) Translators (b) Multitaskers (c) Converters (d) User Interfaces
33. Actual programming language instructions are called codes (a) Compiled (b) transcribed (c) source (d) object
34. _____ translates an entire source program to machine codes on a single pass before execution (a) Transcribers (b) Transformers (c) Compilers (d) Assemblers
35. _____ are high level language program translators (a) Assemblers (b) Machine languages (c) Multiprocessors (d) Interpreters
36. Internet _____ provides access to the internet through a service provider using a graphical interface (a) user Interface (b) browser (c) graphical interface (d) system software
37. Important aspects of designing a program, include the following except _____ (a) Input (b) Output (c) process (d) printing
38. Which of these cannot be used to develop a logical plan to solve a problem? (a) Flowchart (b) Dataflow diagram (c) Problem analysis chart (d) Pseudocode
39. Which of the following is correct about a flowchart? (a) It is predictive (b) It should solve any problem (c) Only one flow should come out from a process symbol (d) The order of the arrows is unique
40. A _____ symbol is used to represent begin/start and end of a flowchart (a) Oval (b) Circle (c) Square (d) Rectangle

OPTION D

41. _____ storage is used to store information permanently for future use. (a) Main Memory
(b) Random Access Memory (c) Registers (d) Secondary Storage devices
42. _____ retains its content until it is exposed to ultraviolet light. (a) EPROM (b) DRAM
(c) PROM (d) EEPROM
43. Dot-matrix, Deskjet, Inkjet and Laser are all types of which computer peripherals? (a) Printers
(b) Software (c) Monitors (d) Keyboards
44. A light sensitive device that converts drawing, printed text or other images into digital form is (a) Keyboard (b) Plotter (c) Scanner (d) OMR
45. Which of the following groups consists of only input devices? (a) Mouse, Keyboard, Monitor
(b) Mouse, Keyboard, Printer (c) Mouse, Keyboard, Plotter (d) Mouse, Keyboard, Scanner
46. The OCR recognizes the _____ of the characters with the help of light source. (a) size (b) shape
(c) colour (d) used ink
47. The device primarily used to provide hard copy is the (a) CRT (b) Computer Console
(c) Printer (d) Card Reader
48. Which of these devices convert computer output into a form that can be transmitted over a telephone line? (a) Teleport (b) Multiplexer (c) Printer (d) Modem
49. The most common method of entering text and numerical data into a computer system is through the use of a _____ (a) Plotter (b) Scanner (c) Printer (d) Keyboard
50. Information that comes from an external source and is fed into computer software is called (a) Input
(b) Output (c) Throughput (d) Reports

REMINDER: Ensure you have shaded the appropriate question paper option (See above)

COURSE CODE: CSC110

DATE: July 13, 2019

Time: 50 minutes

COURSE TITLE: Introduction to Computers

PAPER TYPE: C

INSTRUCTIONS: ATTEMPT ALL QUESTIONS

In developing an algorithm, which of these is not one of the steps you follow? (a) Identify patterns, repetitions and familiar task (b) Carry out the plan (c) Understand the problem (d) Device a plan (e) Coding the plan

- 2 Analysis, design, coding and execution are all stages of? (a) Program development cycle (b) Constructing a program flow chart (c) Building an algorithm (d) Documentation and maintenance (e) none of the options listed
- 3 Which of these is used to represent the logical relationship of computer routines along with inputs, master files, transaction files and outputs? (a) Program flowchart (b) Run flowchart (c) System flowchart (d) Programming flowchart (e) none of the options listed
- 4 Which of these is a product identification code that contains a set of vertical lines and spaces? (a) Optical mark code (b) Barcode (c) QRcode (d) Magnetic ink code (e) none of the options listed
- 5 Converting 512_8 to binary gives (a) 1001010010_2 (b) 101001000_2 (c) 100010100_2 (d) 10100101000_2 (e) 1000101_2
- 6 Converting 2048_{16} to octal gives (a) 20030_8 (b) 300420_8 (c) 54200_8 (d) 18240_8 (e) 4246321_8
- 7 Which of these errors is the most difficult to detect? (a) Compilation (b) Execution (c) Run time (d) Logical (e) Syntax
- 8 What part of the operating system is also called the master program? (a) Control program (b) Chief program (c) Main program (d) Key program (e) Special Program
- 9 Which of these order of sections in pseudocode is correct? (a) body, header, declaration, termination (b) body, declaration, header, termination (c) declaration, body, termination, header (d) header, body, declaration, termination (e) header, declaration, body, termination
- 10 Which of these is an error in logic or arithmetic that must be detected at run time? (a) logical error (b) compilation error (c) syntax error (d) syntax and logical errors (e) semantic error
- 11 Which of these units will resolve the following expressions: $x-y = x+1$? (a) System Unit (b) Memory (c) Registers (d) Central Processing Unit (e) Control Unit
- 12 What is the difference between a camera and a webcam? (a) All the options listed (b) Cameras are always wireless components while webcams are not. (c) Webcams are peripheral devices while cameras are not (d) Webcams are web browser input components while cameras are not. (e) Cameras are input devices while webcams are not

- 13 Education that is delivered with tutor and learner geographically dispersed is? (a) M-learning (b) Distance-learning (c) eLearning (d) Sandwich Studies (e) Corresponding Learning
- 14 To get internet access for mobile phones, the protocol used is? (a) TCP/IP (b) WAP (c) FTP (d) PPP (e) SLIP
- 15 None but one of these is used by architects to show clients the preview of a building and landscapes? (a) Telecommuting (b) Computer Modelling (c) Command and Control (d) Virtual reality (e) Computer Aided Design
- 16 None but one of these systems must be designed as a fault-tolerant system? (a) Computer Aided Design (b) Computer Modelling (c) Command and Control (d) Virtual Reality (e) Telecommuting.
- 17 Which of these is not an application of computer in medicines? (a) tele-surgery (b) tele-prognosis (c) tele-diagnosis (d) Tele-pathology (e) none of the options listed
- 18 Simplification of learning through songs and animation is known as? (a) Child learning (b) Close learning (c) Distance learning (d) Edutainment (e) Open learning
- 19 An executable program produced through module object interaction occurs through? (a) Compilers (b) Linkers (c) Antivirus (d) Interpreters (e) Utility program
- 20 Converting 4188.625_{10} to base 16 gives? (a) FFFA.D₁₆ (b) 102.D₁₆ (c) 105C.A₁₆ (d) 4AF.C₁₆ (e) 4AF.C₁₆
- 21 Which of these is FALSE (a) EEPROM means Erasable Electrically programmable Read Only Memory (b) DRAM needs to be refreshed thousands of times per second (c) EPROM means Erasable Programmable Read Only Memory (d) The UNIVAC was the first commercial computer (e) The development of integrated circuits was the hallmark of the third-generation computers
- 22 Which of the following looks like a ball pen but uses pressure instead of ink to write text and draw lines (a) stylus (b) graphic tablet (c) light pen (d) joystick (e) trackball
- 23 Which of these is NOT true (a) Gopher is a protocol that governs the transfer of hypertext between two or more computers (b) Telnet is a protocol that enables one computer to connect to another computer (c) High level languages are machine independent (d) TCP/IP is a collection of protocols that govern the way data travels from one machine to another across networks (e) systems software enables computers perform essential operating tasks
- 24 All but one of the following is true (a) ENIAC means Electrical Numeric Integrator and calculator (b) PROM is a memory chip which is manufactured blank on which data can be written only once (c) the analog computer represents data in physical quantities and operates on the data by manipulating the quantities (d) registers are found in the control unit and the ALU (e) transistors replaced vacuum tubes and ushered in the second generation of computers
- 25 All but one is an example of a syntax error (a) data mismatch (b) missing apostrophe (c) use of reserved words as variables (d) unbalanced parenthesis (e) use of keywords as variables
- 26 What type of error occurs when you enter a wrong salary scale when computing the payroll of a worker? (a) logical error (b) execution error (c) compilation error (d) run time error (e) syntax error
- 27 Finding the square root of a negative number is an example of (a) run time error (b) syntax error (c) compilation error (d) logical and compilation error (e) logical error

- 28 Which of these is NOT true (a) the CASE statement is great for a test that has only one acceptable answer. (b) a combined IF statement is one that contains multiple conditions in the decision symbol (c) the null ELSE structure is a variation of the simple IF structure with the false side being empty (d) the sequence control structure is the straightforward execution of one processing step after another (e) in the simple IF statement, selection occurs when a choice is made between two alternative paths
- 29 Which of these brings together the object modules, operating system routines and other utility software to produce a complete, executable program (a) linker (b) compiler (c) interpreter (d) assembler (e) loader
- 30 Which of these is NOT true (a) warm boot is the process of turning on a computer after it had been completely switched off. (b) the resident portion of an operating system is called kernel (c) POST checks the memory, keyboard, buses, and expansion slots (d) a loader copies an object program held in memory into the memory area designated by the operating system for execution (e) BIOS is stored in a ROM chip
- 31 Convert 11011.101_2 to Decimal (a) 27.625 (b) 34.90 (c) 44.56 (d) 78.90 (e) 24.55
- 32 Convert 110000111.011100_2 to octal (a) 22.34_8 (b) 66.34_8 (c) 56.77_8 (d) 23.45_8 (e) 607.34_8
- 33 Which of these possibly is an advantage of using office suit? (a) All the options listed (b) The package is free (c) The package is easy to obtain. (d) They are universal across all platforms (e) The possibility of file sharing
- 34 Which of these softwares under Microsoft office suit support file sharing? (a) Graphic design (b) Communication software (c) Spreadsheet (d) Internet browser (e) Word processor
- 35 Which of these can handle Sequential program line interpretation? (a) System Unit (b) Memory (c) Registers (d) Central Processing Unit (e) Control Unit
- 36 Which of the following tasks is not performed by utility programs? (a) None of options listed (b) Disk management (c) Linking and loading (d) Virus protection (e) Backup and restore
- 37 Which of the following is executed by the BIOS? (a) All the options listed (b) Load operating system (c) Load application software (d) None of the options listed (e) Memory text
- 38 The octal equivalent of 1100101.001010_2 is (a) 624.2 (b) 154.12 (c) 145.12 (d) 145.2 (e) 624.12
- 39 Memories in which any location can be reached in a fixed (and short) amount of time after specifying its address is called? (a) None of the options listed (b) secondary memory (c) random-access memory (d) Mass storage (e) sequential-access memory
- 40 With respect to the functions of the control unit, all but one is a part of the machine cycle? (a) Fetching (b) Coding (c) Decoding (d) Executing (e) Storing
- 41 Which of these is not a file management task (a) virus protection (b) copying (c) editing (d) deleting (e) listing

- 42 The capacity of an internet connection is referred to as (a) bandwidth (b) kilobyte
(c) megabyte (d) byte (e) gigabyte
- 43 Which of these allows files to be transferred between computers (a) FTP (b) Telnet
(c) HTTP (d) Gopher (e) TCP/IP
- 44 Which of these is NOT true (a) IP addresses are not unique (b) IP addresses are global and standardized
(c) each domain name corresponds to numeric IP address (d) the internet uses numeric IP address to send data (e) no two organizations can have the same domain name
- 45 All of the following but one is true (a) URL consists of letters and numbers only (b) every resource available via the www has a unique URL (c) URL represent a standardized addressing scheme for internet resources (d) the basic structure of URL is hierarchical and moves from left to right (e) a URL identifies a particular internet resource
- 46 The various steps to be performed within a system for transforming the input into output is represented in detail by (a) program flowchart (b) run flowchart (c) system flowchart (d) computer program (e) pseudocode
- 47 Which of these is NOT true (a) debugging is the process of finding errors in a program (b) instructions in algorithm are described as starting from the top and going to the bottom (c) a sequence of precise steps that solve a problem is called algorithm (d) an error in a program is called a bug (e) coding is the technical word for writing a program
- 48 All of the following but one is true (a) missing curly brackets and semicolons are run time errors (b) entering a wrong salary scale when computing the payroll of workers is a logical error (c) syntax errors are also known as compilation errors (d) dividing a number by zero is an execution error (e) syntax errors usually result from mis-ordering symbols within expressions and statements
- 49 Which of these is not TRUE (a) 4GLs are not problem oriented (b) fourth generation languages are non-procedural (c) natural languages have profound effect on artificial intelligence and expert systems (d) natural languages are designed to make connections that human have with computers more human-like (e) machine language instructions are written in 0s and 1s
- 50 Which of these is NOT true (a) a virtual machine operating system does not allow a single user to run two or more different operating systems (b) the operating system creates an interface between the user and other application programs (c) the operating system also monitors the system activities such as performance and security (d) the operating system contains programs that perform functions related to disk/file management (e) The primary function of operating systems is to allocate/assign resources

DEPARTMENT OF COMPUTER SCIENCE
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FIRST SEMESTER EXAMINATION (FULL TIME) FOR 2016/2017 SESSION

COURSE CODE: CSC 110. TITLE: Introduction to Computing Time Allowed: 50mins

INSTRUCTIONS:

- i. Answer All the Multiple Choice Questions by shading the corresponding correct option on your OMR sheet with an HB Pencil.
- ii. Write your name and matriculation number on your question paper and submit it along with your OMR sheet at the end of the examination.

Mat. No: _____ Level: _____ Name: _____

1. System configuration information is contained in several files called _____.
(a) BIOS (b) ROM (c) Kernel (d) Registry (e) None of the above
2. The CPU is an acronym for _____.
(a) Central Processing Unit (b) Central Processor Unit
(c) Centralized Processing Unit (d) Control Processing Unit (e) No Answer
3. Mauchly and Eckert built EDVAC in collaboration with _____.
(a) Godstine (b) John Atanasoff (c) Von Neumann (d) Howard Aiken (e) Babbage
- The main memory is made up of ____ subunits.
(a) PROM and EPROM (b) RAM and ROM (c) RAM and RUM (d) EEPROM
(e) No Answer
5. A category of software that can be used or altered without fee or restriction is known as _____.
(a) Shareware (b) On-The-Shelf-ware (c) Freeware (d) Firmware
(e) None of the above
6. A _____ is a computer's input device that looks like a ball pen and uses pressure instead of ink to write text and dia _____.
(a) Light pen (b) Joy stick (c) Trackball
(d) Stylus (e) none of the above.
7. A product identification code that _____ set of vertical lines and spaces is known as _____.
(a) Optical mark code (b) QR code (c) Bar code (d) Magnetic ink code
(e) none of the above.
8. The term used for all the programs in a particular computer is _____.
(a) Programs (b) Computer programs (c) Software (d) Apps
- The number 1101101_2 represents ____ in decimal.
(a) 108 (b) 208 (c) 109 (d) 901 (e) No Answer
10. A type of operating system that allows different parts of a user's program to run concurrently is referred to as _____.
(a) Multiprocessing OS (b) Multitasking OS (c) Multithreading (d) Virtual Machine OS (e) None of the above
11. A _____ helps perform a Power On Self Test during the computers boot up.
(a) RAM (b) ROM (c) BIOS (d) POST (e) none of the above.
12. The program which contributes to the control and performance of the computer system are collectively known as _____.
(a) Assembler (b) Translator
(c) Operating system (d) system software (e) No Answer
13. The information processing cycle comprises of four basic operations of _____.
(a) Input, Analysis, Design, Testing (b) Analysis, Design, Storage, Output
(c) Input, Storage, Process, Output (d) Input, Process, Output, Storage (e) No Answer

14. The fourth generation languages are commonly termed _____ (a) None procedural language (b) Procedural language (c) Machine Language (d) High level language (e) none of the above.
15. Finding a logical sequence of precise steps that solves a programming problem in the program development cycle is the _____ stage. (a). Analysis (b) Design (c) Coding (d) Execution (e) none of the above.
16. is a computer program that has been written to attach itself to other files such as programs and to replicate itself when those programs are executed. (a) Cobol (b) Virus (c) Fortran (d) Pascal (e) antivirus
17. All but one is not a basic control structure in designing a program flowchart (a) Serial (b) Sequence (c) Selection (d) Repetition (e) No answer
18. Which of the following is NOT an operating system? (a) Linux (b) Microsoft Vista (c) Microsoft Word (d) Mac Os X (e) None
19. If a 5 minute song is sampled at 44 kHz, and each sample is stored as two 8 bit numbers (Stereo), it will need how much space? (a) 211.2 Mbytes (b) 26.4 Mbytes (c) 2.64 Mbytes (d) 13.2 Mbytes (e) None
20. What is a NIC? (a) Network Interface Card (b) Network Interference Control (c) No Internet Connection (d) New Infrared Controller (e) Nigeria Institute of Computers
21. How many bits is a kilobyte? (a) 1000 (b) 1024 (c) 8192 (d) 8000 (e) 1gram
22. Which smaller unit of the CPU directs and coordinates all activities within it and determines the sequence in which instructions are executed, sending instructions sequence to other smaller unit. (a) CU (b) ALU (c) PROCESSOR (d) All of the above (e) none of the above
23. The capacity of an internet connection is referred to as (a) Kilo Bytes (b) Megabit (c) Nano station (d) Bandwidth (e) Internogram
24. Which of the following is not necessary for establishing a dial up connection (a) an ISP account (b) a telephone connection (c) an Email address (d) a modem (e) a communication software
25. Breaking data into packets that the internet can handle efficiently, verifying that all packets have arrived at their destination and reassembling packets into data are functions of _____ (a) Internet Protocol (b) Transmission Control Protocol (c) File Transfer Protocol (d) HTTP (e) Translator
26. UNIVAC and ENIAC are examples of computing devices that relied on _____ (a) Transistor technology (b) Vacuum technology (c) Integrated Circuits technology (d) Microprocessors (e) UNENIAC technology
27. Which of these is not a service provided by the Internet? (a) Email (b) Web browsers (c) Newsgroups (d) Internet Relay Chat (e) No answer
28. Which of these QBASIC statements can be used to instruct a computer to decide from two alternative statements? (a) IF - THEN (b) FOR - NEXT (c) WHILE - WEND (d) IF - THEN - ELSE (e) None of the above
29. The acronym ASCII means _____ (a) America Standard Codes for Information Interchange (b) American Standard Code for Information Interchange (c) American Standardized Codes for Information Interchange

- (d) American Standard Codes for Information Interchange
(e) No Answer
30. The following are valid domain names except
(a) net (b) gov (c) dom (d) biz (e) no answer
31. MODEM is an acronym for _____
(a) Moderation/Demoderation (b) Modulate/Demodulate (c) Moderator/Demoderator
(d) Moderate/Demoderate (e) No Answer
32. Registers are found in which part of the computer?
(a) ROM (b) RAM (c) CPU (d) Monitor (e) Mouse
33. The number 45_{16} represents _____ in binary.
(a) 10110100 (b) 11010100 (c) 11011010 (d) 10011010 (e) No Answer
34. The number $AD74_{(16)}$ represents _____ in binary.
(a) 101011010110100 (b) 1000111011100110 (c) 1011000110011101
(d) 1110100011101001 (e) No Answer
35. _____ is a finite sequence of steps for the solution of a problem.
(a) Top-down design (b) Algorithm (c) Program Logic (d) Algoridim (e) No Answer
36. _____ is a pictorial representation of an algorithm
(a) Decision table (b) Decision tree (c) Flowchart (d) Pseudocode (e) No Answer
37. How many different characters can be represented in an 8-bit coding system?
(a) 156 (b) 656 (c) 256 (d) 356 (e) No Answer
38. A translator which translates a high level source program completely into an object program before execution can commence is known as _____
(a) Assembler (b) Preprocessor (c) Interpreter (d) Compiler (e) No Answer
39. Which one of the following enables different computers on different networks to communicate with each other?
(a) Modem (b) Internet service provider (c) TCP/IP Software (d) FTP (e) All of the above
40. The _____ is the most extensive network in the world.
(a) Metropolitan network (b) Wide Area Network (c) intranet (d) extranet (e) Internet

Questions 41-50 is based on the following program

10 REM program computes the ... tangle

20 LET N = 10

30 LET K = 0

40 PRINT "enter decimal values for LENGTH(L) & BREADTH(B)"

50 INPUT L,B

60 LET A = L*B

70 PRINT "AREA =",A

80 LET K = K + 1.

90 IF K < N THEN 50,

100 END

41. How many times will this program loop?

(a) 6 times (b) 8 times (c) 10 times (d) zero times (e) No Answer

42. The relational condition is found in line _____

(a) Line 10 (b) Line 50 (c) Line 60 (d) Line 90 (e) No Answer

43. The relational operator in the program means _____

(a) Equal to (b) Multiplication (c) Less than (d) Greater than (e) No Answer

44. The sub-statement "THEN 50" in line 90 means _____

- (a) Branch to the statement numbered 50 and continue execution
- (b) Branch to the statement numbered 50 and remain there
- (c) Branch to the statement numbered 50, execute and stop
- (d) a and b above (e) No Answer

45. Line 60 statement means _____

- (a) Evaluate the expression L times B and assign the product to the variable A
- (b) Allow A to be equal L * B
- (c) Equate A with L * B
- (d) Star L by B and equate it with A
- (e) No Answer

46. The statement of line 80 means _____

- (a) Increase the numerical variable K by 1 and store the sum in K.
- (b) Add 1 to K
- (c) K is equal to K plus 1
- (d) b & c
- (e) a, b, & c

47. The statement of line 100 marks the _____

- (a) Physical and logical end of the program.
- (b) Physical end of the program only.
- (c) End of the BASIC program writing only
- (d) Termination of the BASIC program writing only
- (e) No Answer

48. Line 10 statement means _____

- (a) Treat the text after the key word REM as a comment
- (b) Remark Line 10 statement
- (c) Remove Area of a rectangle
- (d) Remark Area of a rectangle
- (e) No Answer

49. The statement of line 50 means _____

- (a) Enter a numerical value for variable L and variable B respectively from the keyboard during program execution.
- (b) Enter value for L and another value for B
- (c) Input value for L and B
- (d) Input string value for L and for B
- (e) No Answer

50. The statement of line 70 means _____

- (a) Display on the screen the string "AREA = " without the quotes and followed by the content of the numerical variable A.
- (b) Hard copy printing of the string "AREA = " and the value of A.
- (c) Print the value of "AREA = " and the value of A on paper
- (d) a & c
- (e) No Answer

1. Which of these is not a file management task (a) listing (b) editing (c) copying (d) deleting (e) virus protection
2. The capacity of an internet connection is referred to as (a) gigabyte (b) megabyte (c) kilobyte (d) byte (e) bandwidth
3. Which of these allows files to be transferred between computers (a) TCP/IP (b) HTTP (c) Telnet (d) Gopher (e) FTP
4. Which of these is NOT true (a) no two organizations can have the same domain name (b) each domain name corresponds to numeric IP address (c) IP addresses are global and standardized (d) the internet uses numeric IP address to send data (e) IP address are not unique
5. Which of these is NOT true (a) a URL identifies a particular internet resource (b) URLs represent a standardized addressing scheme for internet resources (c) every resource available via the www has a unique URL (d) the basic structure of URL is hierarchical and moves from left to right (e) URL consists of letters and numbers only
6. Which of these represents, in detail, the various steps to be performed within the system for transforming the input into output (a) pseudocode (b) system flowchart (c) run flowchart (d) computer program (e) program flowchart
7. Which of these is NOT true (a) coding is the technical word for writing a program (b) a sequence of precise steps that solve a problem is called algorithm (c) instructions in algorithm are described as starting from the top and going to the bottom (d) an error in a program is called a bug (e) debugging is the process of finding errors in a program
8. Which of these is NOT true (a) syntax errors usually result from mis-ordering symbols within expressions and statements (b) syntax errors are also known as compilation errors (c) entering a wrong salary scale when computing the payroll of workers is a logical error (d) dividing a number by zero is an execution error (e) missing curly brackets and semicolons are run time errors
9. Which of these is not TRUE (a) machine language instructions are written in 0s and 1s (b) natural languages have profound effect on artificial intelligence and expert systems (c) fourth generation languages are non-procedural (d) natural languages are designed to make connections that human have with computers more human-like (e) 4GLs are not problem oriented
10. Which of these is NOT true (a) The primary function of operating systems is to allocate/assign resources (b) the operating system also monitors the system activities such as performance and security (c) the operating system creates an interface between the user and other application programs (d) the operating system contains programs that perform functions related to disk/file management (e) a virtual machine operating system does not allow a single user to run two or more different operating systems
11. Which of these is FALSE (a) The development of integrated circuits was the hallmark of the third-generation computers (b) EPROM means Erasable Programmable Read Only Memory (c) DRAM needs to be refreshed thousands of times per second (d) The UNIVAC was the first

commercial computer (c) EEPROM means Erasable Electrically programmable Read Only Memory

12. Which of the following looks like a ball pen but uses pressure instead of ink to write text and draw lines (a) trackball (b) light pen (c) graphic tablet (d) joystick (e) stylus

13. Which of these is NOT true (a) systems software enables computers perform essential operating tasks (b) High level languages are machine independent (c) Telnet is a protocol that enables one computer to connect to another computer (d) TCP/IP is a collection of protocols that govern the way data travels from one machine to another across networks (e) Gopher is a protocol that governs the transfer of hypertext between two or more computers

14. Which of these is NOT true (a) transistors replaced vacuum tubes and ushered in the second generation of computers (b) the analog computer represents data in physical quantities and operates on the data by manipulating the quantities (c) PROM is a memory chip which is manufactured blank on which data can be written only once (d) registers are found in the control unit and the ALU (e) ENIAC means Electrical Numeric Integrator and calculator

15. Which of these is NOT an example of a syntax error (a) use of keywords as variables (b) use of reserved words as variables (c) missing apostrophe (d) unbalanced parenthesis (e) data mismatch

16. Entering a wrong salary scale when computing the payroll of workers is an example of (a) syntax error (b) compilation error (c) execution error (d) run time error (e) logical error

17. Finding the square root of a negative number is an example of (a) logical error (b) compilation error (c) syntax error (d) logical and compilation error (e) run time error

18. Which of these is NOT true (a) in the simple IF statement, selection occurs when a choice is made between two alternative paths (b) the null ELSE structure is a variation of the simple IF structure with the false side being empty (c) a combined IF statement is one that contains multiple conditions in the decision symbol (d) the sequence control structure is the straightforward execution of one processing step after another (e) the CASE statement is great for a test that has only one acceptable answer.

19. Which of these brings together the object modules, operating system routines and other utility software to produce a complete, executable program (a) loader (b) interpreter (c) compiler (d) assembler (e) linker

20. Which of these is NOT true (a) BIOS is stored in a ROM chip (b) POST checks the memory, keyboard, buses, and expansion slots (c) the resident portion of an operating system is called kernel (d) a loader copies an object program held in memory into the memory area designated by the operating system for execution (e) warm boot is the process of turning on a computer after it had been completely switched off

21. The following expression: $x-y = x+1$ can be resolved by one of the following units (a) Control Unit (b) Registers (c) Memory (d) Central Processing Unit (e) System Unit

22. What is the difference between a camera and a webcam?

(a) Cameras are input devices while webcams are not (b). Webcams are peripheral devices while cameras are not (c). Cameras are always wireless components while webcams are not (d). Webcams are web browser input components while cameras are not. (e) All of the options listed

23. With tutor and learner geographically dispersed, the education delivered is?

(a) Corresponding Learning (b) eLearning (c) Distance-learning (d) Sandwich Studies
(e) M-learning

24. Which of these protocols is used to get internet access for mobile phones? (a) SLIP (b)
FTP (c) WAP (d) PPP (e) TCP/IP
25. To show clients the preview of a building and landscapes, architects use?
(a) Computer Aided Design (b) Command and Control (c) Computer Modelling (d) Virtual reality (e) Telecommuting.
26. Which of these systems must be designed as a fault-tolerant system? (a) Computer Aided Design (b) Command and Control (c) Computer Modelling (d) Virtual Reality (e) Telecommuting.
27. Computers can be applied in medicine in all but one of the following? (a) tele-surgery (b).
tele-diagnosis (c) tele-prognosis (d) Tele-pathology (e) none of the options listed
28. Simplification of learning through songs and animation is known as? (a) Child learning (b).
Distance learning (c) Close learning (d) Edutainment (e) Open learning
29. An executable program produced through module object interaction occurs through? (a).
Utility program (b) Antivirus (c) Linkers (d) Interpreters (e) Compilers
- 30 Converting 4188.625_{10} to base 16 gives? (a) $4AF.C_{16}$ (b.) $105C.A_{16}$ (c). $102.D_{16}$ (d)
 $4AFC.D_{16}$ (e) $FFFA.D_{16}$
- 31 Convert 11011.101_2 to Decimal (a) 24.55 (b) 44.56 (c) 34.90 (d) 78.90 (e) 27.625
- 32 Convert 110000111.011100_2 to octal (a) 607.34₈ (b) 56.77₈ (c) 66.34₈ (d) 23.45₈ (e) 22.34₈
- 33 Which of these possibly is an advantage of using office suit? (a) The possibility of file sharing
(b) The package is easy to obtain. (c) The package is free (d) They are universal across all
platforms (e) All the options listed
- 34 Which of these softwares under Microsoft office suit support file sharing? (a) Word processor
(b) Spreadsheet (c) Communication software (d) Internet browser (e) Graphic design
- 35 Which of these can handle Sequential program line interpretation? (a) Control Unit (b)
Registers (c) Memory (d) Central Processing Unit (e) System Unit
36. Which of the following tasks is not performed by utility programs? (a) Backup and restore (b)
Linking and loading (c) Disk management (d) Virus protection (e) None of the options listed
- 37 Which of the following is executed by the BIOS? (a) Memory test (b) Load application software
(c) Load operating system (d) None of the options listed (e) All the options listed
- 38 The octal equivalent of 1100101.001010_2 is (a) 624.12 (b) 145.12 (c) 154.12 (d) 145.2 (e) 624.2
- 39 Memories in which any location can be reached in a fixed (and short) amount of time after
specifying its address is called? (a) sequential-access memory (b) random-access memory
(c) secondary memory (d) Mass storage (e) None of the options listed
- 40 With respect to the functions of the control unit, all but one is a part of the machine cycle? (a)
Fetching (b) Coding (c) Decoding (d) Executing (e) Storing
- 41 In developing an algorithm, which of these is not one of the steps you follow? (a) Identify
patterns, repetitions and familiar task (b) Understand the problem (c) Carry out the plan (d)
Device a plan (e) Coding the plan
- 42 Analysis, design, coding and execution are all stages of? (a) Program development cycle (b)
Building an algorithm (c) Constructing a program flow chart (d) Documentation and
maintenance (e) none of the options listed
- 43 Which of these is used to represent the logical relationship of computer routines along with
inputs, master files, transaction files and outputs? (a) Program flowchart (b) System flowchart
(c) Run flowchart (d) Programming flowchart (e) none of the options listed

- 44 Which of these is a product identification code that contains a set of vertical lines and space.
(a) Optical mark code (b) QR code (c) Bar code (d) Magnetic ink code (e) none of the options listed
- 45 Converting 512_8 to binary gives (a) 1001010010_2 (b) 100010100_2
(c) 101001000_2 (d) 10100101000_2 (e) 1000101_2
- 46 Converting 2048_{16} to octal gives (a) 20030_8 (b) 54200_8 (c) 300420_8 (d) 18240_8 (e)
 4246321_8
- 47 Which of these errors is the most difficult to detect? (a) Compilation (b) Run time
(c) Execution (d) Logical (e) Syntax
- 48 What part of the operating system is also called the master program?
(a) Control program (b) Main program (c) Chief program (d) Key program (e) Special Program
- 49 Which of these order of sections in pseudocode is correct? (a) body, header, declaration, termination
(b) declaration, body, termination, header (c) body, declaration, header, termination
(d) header, body, declaration, termination (e) header, declaration, body, termination
- 50 Which of these is an error in logic or arithmetic that must be detected at run time? (a) logical error
(b) syntax error (c) compilation error (d) syntax and logical errors (e) semantic error

out of