



REDEEMER'S UNIVERSITY, EDE
COLLEGE OF NATURAL SCIENCES
DEPARTMENT OF COMPUTER SCIENCE

FIRST SEMESTER EXAMINATIONS 2020/2021
SESSION

Course Code: CMP 101

Course Title: Introduction to Computer Science

Instructions: Answer 60 Questions out of 127 Questions (Randomised) **Time:** 40 Minutes

Q1 The correct conversion of 1010 to Binary gives _____

- A) 0101
 - B) 1010
 - C) 1001
 - D) 1100
- ANSWER: B

Q2 When 12F16 is converted to Binary, the answer is _____

- A) 000100101111
 - B) 111100100001
 - C) 001010111
 - D) 001001010111
- ANSWER: A

Q3 Which of the following numbering system incorporate some alphabets in its counting digits?

- A) Binary
 - B) Octal
 - C) Hexadecimal
 - D) Decimal
- ANSWER: C

Q4 The highest allowable digit in a position or column in the Octal numbering system is _____

- A) 10
 - B) 9
 - C) 8
 - D) 7
- ANSWER: D

Q5 When 12F16 is converted to Binary, the answer is _____

- A) 000100101111
 - B) 111100100001
 - C) 000001010111
 - D) None of these
- ANSWER: A

Q6 The value 1475 could have been valid in the following numbering system except _____

- A) Binary
 - B) Octal
 - C) Decimal
 - D) Hexadecimal
- ANSWER: A

Q7 ASCII Coding is used to assign a numeric code to each character allowable in the computer system. The code for 0 is 48 in Decimal. What is this code in Binary?

- A) 00110000
- B) 01100000

- C) 00011000
 - D) 00101000
- ANSWER: A

Q8 In Octal numbering system, 257 + 342 gives ____?

- A) 620
 - B) 621
 - C) 631
 - D) None of these
- ANSWER: B

Q9 A firewall is hardware and/or software that protects a network's resources from _____

- A) diversion
 - B) access
 - C) intrusion
 - D) None of these
- ANSWER: C

Q10 Converting 42.75 to Binary gives _____

- A) 10101011
 - B) 11001011
 - C) 10011011
 - D) 10101001
- ANSWER: A

Q11 A vulnerable computer that is set up to entice an intruder to break into it is called _____?

- A) honeybreed
 - B) honeykey
 - C) honeybot
 - D) honeypot
- ANSWER: D

Q12 The use of a computer or network without permission is _____.

- A) unauthorised use
 - B) unauthorised access
 - C) illegal use
 - D) intrusion
- ANSWER: B

Q13 Which of these have the system unit mounted behind the screen or monitor?

- A) Minicomputers
 - B) Tablets
 - C) Desktops
 - D) Laptops
- ANSWER: B

Q14 Which of these organizations utilise digital forensics?

- A) Law enforcement
- B) Insurance
- C) Criminal investigators
- D) ALL OF THESE

ANSWER: D

Q15 Two main components on the motherboard are the _____?

- A) processor and driver
- B) processor and memory
- C) processor and CMOS
- D) processor and clock

ANSWER: B

Q16 _____ consists of electronic components that store instructions waiting to be executed and data needed by those instructions.

- A) Processor
- B) Memory
- C) Storage
- D) None of these

ANSWER: B

Q17 The amount of data that can be transmitted over a communication medium is known as _____.

- A) Latency
- B) Throughput
- C) Bandwidth
- D) Volume.

ANSWER: C

Q18 Computer science as the collection of a variety of disciplines related to computing, both theoretical foundations of information and computation was defined by?

- A) Charles Babbage
- B) Wikipedia Authors
- C) Association for Computing Machinery (ACM)
- D) Gibbs and Tucker

ANSWER: B

Q19 A computer consists of?

- A) A memory
- B) A central processing unit
- C) Input and output units
- D) All of these

ANSWER: D

Q20 Application software _____

- A) tells the computer components what to do
- B) let the computer interact with the user
- C) let the user perform tasks
- D) Is encoded on a piece of hardware

ANSWER: C

Q21 Notebook PCs fall into a category of devices called _____?

- A) Mobile computers
- B) Desktop computers
- C) Hybrid computers
- D) Tabulators

ANSWER: A

Q22 Which of the following language can the computer understand?

- A) Medium level language
- B) High level language
- C) Firmware level language
- D) Machine language

ANSWER: D

Q23 The US National Coordination Office for Networking and Information Technology Research and Development (NITRD) defines Computer Science as?

- A) The systematic study of computing systems and computation
- B) The collection of a variety of disciplines related to computing, both theoretical foundations of information and computation
- C) The study of computers and algorithmic processes, principles, hardware and software design, their applications, and impact on society
- D) Algorithm development and analysis which is the central focus of computer science

ANSWER: A

Q24 Who is usually referred to as the father of computing?

- A) Konrad Zuse
- B) Charles Babbage
- C) Henry Edward Roberts
- D) William Bill Moggridge

ANSWER: B

Q25 The type of computer that is linked by telecommunications to two hundreds and more terminals is called a?

- A) Micro computer
- B) Mini computer
- C) Mainframe computer
- D) Super computer

ANSWER: C

Q26 Magnetic drum was used for storage in the _____ and magnetic disk storage was used in the _____

- A) First generation and Second generation of computers
- B) Third generation and First generation of computers
- C) Second generation and Third generation of computers
- D) Third generation and Fourth generation of computers

ANSWER: A

Q27 One megabyte is exactly _____ bytes.

- A) 8
- B) 1,024
- C) 1,000,000
- D) 1,048,576
- E) 1,073,741,824

ANSWER: D

Q28 The development of software for computers is a major feature of?

- A) Fifth Generation
- B) Fourth Generation
- C) Third Generation
- D) Second Generation

ANSWER: D

Q29 Which is considered to be the computer's short term memory?

- A) REM
- B) ROM
- C) RAM
- D) RIM

ANSWER: C

Q30 The development of the transistor caused a revolution that resulted in the _____

- A) First Generation
- B) Second Generation
- C) Third Generation
- D) Fourth Generation

ANSWER: B

Q31 What is the proper way of shutting down a computer?

A) Click on START button and click on the Shutdown option

- B) Switch off power supply directly
- C) Remove the power cable
- D) Any of the these

ANSWER: A

Q32 Computer general-purpose software is basically a _____

- A) System software
- B) Database software
- C) Package software
- D) Application software

ANSWER: A

Q33 The smallest unit of data in computer is?

- A) Byte
- B) Nibble
- C) Bit
- D) Kilo Byte

ANSWER: C

Q34 Which unit is responsible for converting the data received from the user into a computer understandable format?

- A) Memory Unit
- B) Arithmetic & Logic Unit
- C) Input Unit
- D) Output Unit

ANSWER: C

Q35 A computer that allows between 2 to 200 users simultaneously is _____

- A) Microcomputer
- B) Minicomputer
- C) Mainframe
- D) Supercomputer

ANSWER: B

Q36 Which part interprets program instructions and initiate control operations?

- A) Input
- B) Storage Unit
- C) Logic Unit
- D) Control Unit

ANSWER: D

Q37 _____ is the set of coded instructions which tells the computer what to do

- A) Data
- B) Process
- C) Program
- D) Pre-defined instruction set

ANSWER: C

Q38 A set of step by step rules to be followed in problem-solving operations by computer is called?

- A) Program
- B) Flow chart
- C) Implementation
- D) Algorithm

ANSWER: D

Q39 Which of the following is not a function of the Input Unit?

- A) It reads instructions and data from the outside world
- B) It converts the data into computer acceptable format
- C) It makes the data into user understandable format
- D) It supplies the data and instructions to the computer for further processing

ANSWER: C

Q40 Computer mouse event is

- A) Left click
- B) Right click
- C) Double click
- D) All of these

ANSWER: D

Q41 Basic elements of a communication system is incomplete without a

- A) Network
- B) Medium
- C) Communication
- D) Data

ANSWER: B

Q42 The following are types of network topology except?

- A) Tree
- B) Bus
- C) Star
- D) Ring

ANSWER: A

Q43 What type of network is used to interconnect computers or devices in a single room?

- A) LAN
- B) MAN
- C) PAN
- D) WAN

ANSWER: C

Q44 A computer can be classified according to the following except?

- A) Data handling
- B) Purpose
- C) Functionality
- D) Location

ANSWER: D

Q45 The acronym ALU means _____?

- A) Arithmetic Logic Unit
- B) Arithmetic Logon Unit
- C) Arithmetic Logic Union
- D) Arithmetic Login Unit

ANSWER: A

Q46 Fifth generation computer is also known as?

- A) Knowledge information processing system
- B) Very large scale integration (VLSI)
- C) Both of above
- D) None of the above

ANSWER: A

Q47 Central Processing Unit is a combination of _____

- A) Control and storage
- B) Control and output unit
- C) Arithmetic logic and input unit
- D) Arithmetic logic and control unit

ANSWER: D

Q48 One byte is equivalent to how many bits?

- A) 2
- B) 4
- C) 8
- D) 1

ANSWER: C

Q49 A computer network where all devices are connected to a central point is known as _____

- A) Star topology
- B) Bus topology
- C) Ring topology
- D) Hybrid topology

ANSWER: A

Q50 The type of hardware component that conveys information to one or more people is called?

- A) Pointing device
- B) Input device
- C) Output device
- D) Storage device

ANSWER: C

Q51 The main circuit board of the system unit is called _____

- A) Vero board
- B) Hardware board
- C) Computer board
- D) Mother board

ANSWER: D

Q52 A _____ is the physical material on which a computer keeps data, instructions, and information

- A) Storage medium
- B) Optical device
- C) Processor
- D) Printer

ANSWER: A

Q53 _____ measures the amount of time it takes a storage device to locate an item on a storage medium

- A) Running time

B) Access time

- C) Speed
- D) Accuracy

ANSWER: B

Q54 _____ is the computer's capability of distinguishing spoken words.

- A) Voice input
- B) VoIP
- C) MIDI
- D) Voice recognition

ANSWER: D

Q55 These are examples of input devices except _____.

- A) keyboard
- B) mouse
- C) CRT
- D) touch screen

ANSWER: C

Q56 _____ storage requires sequential access.

- A) Hard disk
- B) Tape
- C) Memory card
- D) DVD

ANSWER: B

Q57 A _____ is a small program that tells the operating system how to communicate with a specific device.

- A) buffer
- B) driver
- C) performance monitor
- D) device

ANSWER: B

Q58 "Sequoia" is a supercomputer built by _____

- A) IBM
- B) Cray
- C) C-DAC
- D) Intel

ANSWER: A

Q59 A computer designed to be task-specific and most of the times to solve one particular problem is called _____

- A) One-purpose computer
- B) All-purpose computer
- C) Special-purpose computer
- D) Monochrome computer

ANSWER: C

Q60 A computer designed to perform a wide variety of operations because it can store and execute different programs in its internal storage is called _____ computer

- A) General purpose
- B) Special purpose
- C) Mainframe
- D) Supercomputer

ANSWER: A

Q61 A device which functions both as a phone and a small PC is called a _____

- A) Tablet
- B) Mobile phone

- C) Modem
 - D) Smartphone
- ANSWER: A

Q62 A feature, called _____, allows users of word processing software to type words continually without pressing the enter key at the end of each line.

- A) AutoFormat
- B) clipboard
- C) AutoCorrect
- D) wordwrap

ANSWER: D

Q63 A group of two or more integrated hard disks is called a _____.

- A) Backup
- B) Platter
- C) RAID
- D) portable hard disk

ANSWER: C

Q64 A keyboard is an _____ device that contains keys users press to enter data and instructions into a computer

- A) input
- B) output
- C) offline
- D) operational

ANSWER: A

Q65 A network is a collection of computers and devices connected together via communications _____ and transmission media.

- A) Devices
- B) Protocols
- C) Methods
- D) Plans

ANSWER: A

Q66 A user who spends times on the computer for personal and business communications, budgeting and financial management, entertainment and web access called _____

- A) Home user
- B) Power user
- C) Mobile user
- D) Small office/home office (SOHO) user

ANSWER: A

Q67 A user who typically works with multimedia, which combines several media elements into one applications, and requires the capabilities of a workstation or other powerful computer.

- A) Home user
- B) Power user
- C) Mobile user
- D) Small office/home office (SOHO) user

ANSWER: B

Q68 A _____ is a field that uniquely identifies each record in a file.

- A) data type
- B) data file
- C) primary key
- D) data character

ANSWER: C

Q69 A _____ is a specific named location on a storage medium that contains related documents.

- A) File
- B) Buffer
- C) Utility
- D) Folder

ANSWER: D

Q70 A _____ is a Web application that combines services from two or more sources, creating a new application.

- A) document management system
- B) peer-to-peer network
- C) Web service
- D) mashup

ANSWER: D

Q71 A _____ network is a third-party business that provides networking services for a fee.

- A) value-added
- B) client/server
- C) star
- D) file sharing

ANSWER: A

Q72 A(n) _____ is a program that allows you to view images and animation, listen to audio, and watch video files on your computer.

- A) file manager
- B) media player
- C) service pack
- D) image viewer

ANSWER: B

Q73 A(n) _____ is a program that warns or blocks you from potentially fraudulent or suspicious Web sites.

- A) phishing filter
- B) adware remover
- C) Web filter
- D) Trojan horse

ANSWER: C

Q74 A(n) _____ reads a code statement, converts it to one or more machine language instructions, and then executes those machine language instructions.

- A) compiler
- B) nonprocedural language
- C) source program
- D) interpreter

ANSWER: D

Q75 All of the following are strengths of the database approach, except _____.

- A) less complexity
- B) improved data integrity
- C) reduced development time
- D) easier access

ANSWER: A

Q76 An Internet network on which users access each other's hard disks and exchange files directly over the Internet is called _____

- A) Intranet
 - B) P2P
 - C) Extranet
 - D) B2B
- ANSWER: B

Q77 Architects, mapmakers, designers, artists, and home users create drawings and sketches on a _____.

- A) trackball
- B) smart terminal
- C) graphics tablet
- D) touchpad

ANSWER: C

Q78 Arrange the following in terms of increasing computational power

- A) Mainframe, supercomputer, microcomputer, minicomputer
- B) Microcomputer, minicomputer, mainframe, supercomputer
- C) Supercomputer, microcomputer, minicomputer, mainframe
- D) Supercomputer, mainframe minicomputer, microcomputer

ANSWER: B

Q79 As related to the use of computers, _____ is defined as gaining unauthorized access or obtaining confidential information by taking advantage of the trusting human nature of some victims and the naivety of others.

- A) phishing
- B) a virus hoax
- C) social engineering
- D) pharming

ANSWER: C

Q80 Blue Gene supercomputer was manufactured by _____

- A) IBM
- B) Cray
- C) C-DAC
- D) HP

ANSWER: A

Q81 Computer and network administrators typically have a(n) _____ that enables them to access all files and programs on the computer or network, install programs, and specify settings that affect all users on a computer or network.

- A) file manager
- B) personal computer maintenance utility
- C) administrator account
- D) graphical user interface

ANSWER: C

Q82 Computers designed to deliver the performance needed to enjoy popular activities like streaming videos or music, emailing, Web surfing or instant messaging are called _____?

- A) Desktops
- B) Netbooks
- C) Notebooks
- D) Laptops

ANSWER: B

Q83 DSL, cable television Internet service, and satellites offer _____ transmission.

- A) baseband
- B) IrDA
- C) microwave
- D) broadband

ANSWER: D

Q84 Formatting is the process of dividing the disk into _____ and _____ so that the operating system can store and locate data and information on the disk

- A) Tracks and Cylinders
- B) Tracts and Sectors
- C) Platters and Sectors
- D) Platters and Cylinders

ANSWER: B

Q85 IBM (8000 series) is an example of

- A) Supercomputer
- B) Mainframe
- C) Minicomputer
- D) Microcomputer

ANSWER: C

Q86 In the Windows 7 operating system, _____ provides an enhanced visual look, additional navigation options, and animation.

- A) Windows Aero
- B) Plug and Play
- C) Mac OS X
- D) Windows 7 Starter

ANSWER: A

Q87 Integrated Circuit (IC), keyboard and monitor are the characteristics of the _____ generation computers

- A) First
- B) Second
- C) Third
- D) Fourth

ANSWER: C

Q88 Mainframes can run uninterrupted for decades due to their high _____

- A) stability and reliability
- B) scalability and reliability
- C) stability and maintainability
- D) scalability and maintainability

ANSWER: A

Q89 PARAM is a series of supercomputer assembled by _____

- A) IBM
- B) Cray
- C) C-DAC
- D) Intel

ANSWER: C

Q90 Receptionists or bank tellers who often work at several different desks are examples of _____ users.

- A) Mobile
- B) Remote
- C) Roaming
- D) Task-based

ANSWER: C

Q91 ROM chips, called _____ contains permanently written data, instructions, or information.

- A) memory cache
- B) registers
- C) transistors
- D) firmware

ANSWER: D

Q92 Super Large Scale Integrated (SLSI), parallel processing, and speech recognition characterised the _____ generation

- A) Second
- B) Third
- C) Fourth
- D) Fifth

ANSWER: D

Q93 The abbreviation DLP projector means _____

- A) Digital Light Processing
- B) Dual-Line Processor
- C) Digitalized Light Processing
- D) Differential Light Polarizing

ANSWER: A

Q94 The ability of the computer to perform different types of tasks with the same ease is called _____?

- A) Speed
- B) Accuracy
- C) Versatility
- D) Diligence

ANSWER: C

Q95 The acronym FLOPS means _____

- A) Floating Point Operations Per Session
- B) Floating Point Operations Per Section
- C) Floating Point Operations Per Second
- D) Floating Power Operations Per Second

ANSWER: C

Q96 The database analyst (DA) _____.

- A) monitors the performance of the database
- B) creates and maintains the data dictionary
- C) decides on the proper placement of fields
- D) checks backup and recovery procedures

ANSWER: C

Q97 The Deep Sea is an example of _____

- A) Supercomputer
- B) Mainframe
- C) Minicomputer
- D) Microcomputer

ANSWER: A

Q98 The IBM ES000 series is an example of _____

- A) Supercomputer
- B) Mainframe
- C) Minicomputer
- D) Microcomputer

ANSWER: B

Q99 The modem is an example of _____

- A) Communication device
- B) Communication channel
- C) Sending device
- D) Receiving device

ANSWER: A

Q100 The MS-DOS and MS-Windows were developed during the _____ generation computers

- A) First
- B) Second
- C) Third
- D) Fourth

ANSWER: D

Q101 The operating system on most mobile devices and many consumer electronics, called a(n) _____, resides on a ROM chip.

- A) network operating system
- B) embedded operating system
- C) stand-alone operating system
- D) stand-alone utility program

ANSWER: B

Q102 The primary disadvantage of multifunction peripherals is that _____.

- A) if the multifunction peripheral breaks down, all functions are lost
- B) they all use laser-printer technology
- C) they are significantly more expensive than purchasing each device separately
- D) all of the above

ANSWER: A

Q103 The term decoding refers to the process of _____.

- A) obtaining a program instruction or data item from memory
- B) translating an instruction into signals a computer can execute
- C) carrying out commands
- D) writing a result to memory

ANSWER: B

Q104 The term reliability, availability and serviceability (RAS) is a defining characteristic of _____ computers.

- A) Supercomputer
- B) Mainframe
- C) Minicomputer
- D) Microcomputer

ANSWER: B

Q105 The _____ is the destructive event or prank that malware is intended to deliver.

- A) hash
- B) payload
- C) cookie
- D) spam

ANSWER: B

Q106 Users subscribe to a cloud storage service to _____.

- A) access files from any computer that has Internet access
- B) allow others to access their files
- C) store offsite backups of data
- D) all of the these

ANSWER: D

Q107 Vector computers use a very fast data _____ to move data from components and memory in the computer to a central processor.

- A) register
- B) conduit
- C) bus
- D) pipeline

ANSWER: D

Q108 Very Large Scale Integration (VLSI) technology, microprocessor, and semiconductor memory are the hardware characteristics of the _____ generation computers

- A) First
- B) Second
- C) Third
- D) Fourth

ANSWER: D

Q109 We classify computer into analog, digital or hybrid based on _____

- A) Functionality
- B) Data handling
- C) Power and size
- D) All of these

ANSWER: B

Q110 When an online meeting takes place on the Web, it is called _____.

- A) video messaging
- B) a peer-to-peer network
- C) a Web meeting
- D) a Web conference

ANSWER: D

Q111 When an organization uses _____, many programs and users share the data in the database.

- A) a data model
- B) a file processing system
- C) the database approach
- D) a check digit

ANSWER: C

Q112 Which of the following is not an input device?

- A) Bar code reader
- B) Scanner
- C) Printer
- D) Microphone

ANSWER: C

Q113 Which of the following statements are correct?

- A) The multicore processor has two or more separate cores.
- B) A multicore processor is more energy efficient than the single core system
- C) Each processor core on a multi-core processor generally runs at a slower clock speed than a single-core processor
- D) All of these

ANSWER: D

Q114 Which of these are built to handle the largest of users working on diverse tasks simultaneously

- A) Microcomputers
- B) Minicomputers
- C) Mainframes
- D) Supercomputers

ANSWER: C

Q115 Which of these assertions is/are true?

- A) The use of computer technology has affected every field of life.
- B) The use of computers make different tasks easier
- C) Most people find computer too complex to solve their problems
- D) A and B only

ANSWER: D

Q116 Which of these is (are) true of GPS receiver?

- A) Built into many mobile devices
- B) Available as a handheld device
- C) Available with new vehicles
- D) All of these

ANSWER: D

Q117 Which of these is correct ordering in terms of increasing network size?

- A) LAN WAN CAM MAN
- B) LAN CAM WAN MAN
- C) LAN CAM MAN WAN
- D) CAM MAN WAN LAN

ANSWER: C

Q118 Which of these is not true for a vector computer?

- A) It solves a series of problems one by one in a consecutive order
- B) It usually has a single super-fast processor with the entire computer's memory allocated to its operation
- C) It is equipped with multiple processors
- D) It is usually easy to program

ANSWER: C

Q119 Which of these is not true for dedicated computers?

- A) They are used in video games
- B) They are very fast
- C) They are memory efficient
- D) They are versatile

ANSWER: D

Q120 Which of these is/are correct?

- A) All the clients in a Star network are connected to central point
- B) If one client in a Star network is down, the other clients will communicate perfectly.
- C) When the main line in a bus topology is down, then the entire network is down
- D) All of these

ANSWER: D

Q121 Which of these printers is the odd one out?

- A) Laserjet
- B) Deskjet
- C) Dot-matrix
- D) Photo printer

ANSWER: C

Q122 Which of these display devices would produce the largest output dimensions?

- A) CRT
- B) LCD
- C) Plasma
- D) Oscilloscope

ANSWER: C

Q123 Windows users can increase the size of memory through _____, which can allocate available storage space on removable flash memory devices as additional memory cache.

- A) Windows Aero
- B) Plug and Play
- C) Windows ReadyBoost
- D) a disk defragmenter

ANSWER: C

Q124 With _____, users can view message details such as the length of calls and, in some cases, read message contents instead of listening to them.

- A) Web services
- B) Internet telephony
- C) video messaging
- D) visual voice mail

ANSWER: D

Q125 _____ is a standard, specifically a protocol that defines how a network uses radio signals to communicate with a tag placed in or attached to an object, an animal, or a person.

- A) RFID
- B) WiMAX
- C) Bluetooth
- D) UWB

ANSWER: A

Q126 _____ is mass-produced, copyrighted retail software that meets the needs of a wide variety of users, not just a single user or company.

- A) Custom software
- B) Open source software
- C) A Web application
- D) Packaged software

ANSWER: D

Q127 _____ combines application software such as word processing, spreadsheet, presentation graphics, and e-mail.

- A) Shareware
- B) A software suite
- C) Packaged software
- D) Custom software

ANSWER: B