

CS 101

(1)

Date: 04/08/20

Topic : 109-116

1) Programs for modern computers consist of sequences of instructions that are encoded as \_\_\_\_\_

- a) mnemonic digits.
- ✓ b) numeric digits.
- c) both a & b
- d) programming language.

2) Location & correction of errors is known as \_\_\_\_\_

- ✓ a) debugging.
- b) defaulter
- c) identification.
- d) Correction.

(2)

3) In Machine language

Date: \_\_\_\_\_

1) The instructions move the contents of register 5 to register 6 would be expressed

a) 3056 E

b) MOV R5, R6

c) 4056

d) LD R5, 6.

4) Identifiers are :

a) Price

(b) shipping charge

c) Total cost  d) all.

5) The efficiency of assembler was:

a) it redirects programs.

b) it converts mnemonic expression to machine language.

c) it converts machine language program to mnemonic expression.

d) all of the above.

3

Date: \_\_\_\_\_

6) A mnemonic system for representing programs is called as

- a) Machine language
- b) Assembly language
- c) Computer language.

7) 2nd generation language were

- a) Assembly
- b) Machine
- c) programming
- d) developing.

8) A program written in assembly language is machine :

- a) independent
- b) producer
- c) dependent
- d) both a & c.

9) Early example of 3rd generation language was:

- a) FORTRAN
- b) C++
- c) COBOL
- d) both a & c.

4

3

Date: \_\_\_\_\_

10) Third generation languages differed from previous ones in that their primitives were:

- a) high level
- b) low level
- c) machine independent and low level
- d) machine independent & high level.

11) A program that often had to compile instructions into short sequences to simulate the activity is called:

- a) translator
- b) compiler
- c) modifier
- d) both a & b.

5

Date: \_\_\_\_\_

12) \_\_\_\_\_ are the alternatives  
to translators.

- a) interpreters
- b) compiler
- c) implementors
- d) resistors.

13) \_\_\_\_\_ is the developer  
of 1<sup>st</sup> compiler.

- a) Charles Babbage.
- b) Grace Hopper.
- c) Stephen George.
- d) Thomas Hills.

14) English, German & Latin  
are known as \_\_\_\_\_ languages

- a) formal
- b) modern
- c) natural
- d) liberal.

6

Date: \_\_\_\_\_

15) A program written in \_\_\_\_\_ generation language could be used on any machine.

- a) 4th                      ✓ b) 3<sup>rd</sup>  
c) 2<sup>nd</sup>                      d) 1<sup>st</sup>

16) To move a program from one machine to another \_\_\_\_\_ is necessary to be made.

- a) Alteration              b) Substitution  
c) Major modifications.  
✓ d) Minor modifications.

17) The imperative paradigm is also known as \_\_\_\_\_

- ✓ a) Procedural paradigm  
b) Programming paradigm  
c) Software development.  
d) none of the above.



(7)

Date: \_\_\_\_\_

18) Python & pseudocode are based on \_\_\_\_\_ paradigm

a) procedural

b) imperative

c) programming

d) both a & b.

19) Declarative programming languages are intended to be \_\_\_\_\_

a) in-built purpose.

b) special purpose.

c) official purpose.

d) both b & c.

20) Under this paradigm, a program is viewed as an entity that accepts inputs & produces outputs.

a) declarative

b) imperative

c) functional

d) object oriented.

8

Date: \_\_\_\_\_

21) Most prominent paradigm in today's software development is:

- a) Object oriented
- b) functional
- c) declarative
- d) both b & c.

22) Follow OOP, software system is viewed as a collection of units called:

- a) cells
- b) objects
- c) species
- d) bars.

23) 'Class' is the description of

- a) properties
- b) relations
- c) associations
- d) characters.

24) An object based on particular class is said to be \_\_\_\_\_ of that class.

- a) model
- b) instance
- c) example
- d) both a & b.



0

(9)

Date: \_\_\_\_\_

25) The type integer refers to numeric data stored by using 1's complement

- a) true
- b) false.

26) The type Boolean refers to data items that can take on only the values.

- a) true
- b) false
- c) true and false.
- d) true or false.

(10)

Topics: 117-132.

Date: 05/08/2020

1) Conceptual shape or arrangement of data is called data structure.

- ✓ a) True
- b) False.

2) Text is normally viewed as a long \_\_\_\_\_ of characters.

- a) chain
- b) sequence
- ✓ c) string
- d) series

3) In rectangular table of sale record, sales made by a particular employee are represented by:

- a) diagonal
- ✓ b) row
- c) column
- d) both b & c.

(11)

Date: \_\_\_\_\_

4) Heterogenous array is a set of data in which different elements can have different values.

a) True       b) False.

5) The most basic imperative statement is \_\_\_\_\_ statement.

a) structure      b) programming  
c) final       d) assignment

6) The statement  $Z = X + Y$  in C languages require that:

a) Sum of  $X$  &  $Y$  is greater.  
b) Sum of  $X$  &  $Y$  assigned to variable.

c) Sum of  $X$  &  $Y$  assigned to  $Z$ .  
d) Sum of  $X$  &  $Y$  be smaller.

12

Date: \_\_\_\_\_

7) A control statement alters the execution structure of program.

a) true

b) false.

8) True parallel processing requires \_\_\_\_\_ CPU cores.

a) single

b) double

c) multiple

d) both a & b.

9) What we informally referred to as an activation is called a \_\_\_\_\_ in the Ada ~~and~~ vernacular and a \_\_\_\_\_ in Java.

a) task, thread

b) thread, string

c) task, string

d) thread, task.

10) Most basic action expressed in a program involving parallel processing is that of \_\_\_\_\_

- a) Creating new spreadsheet.
- b) Creating new threads.
- c) Creating new tasks.
- d) Creating new models.

11) More complex issue with parallel processing involves handling communications b/w

- a) programs
- b) tasks
- c) models.
- d) threads.

12) Which of the following is not an arithmetic operators.

- a) +
- b) %
- c) !
- d) -

13) When both operands Date: \_\_\_\_\_

are integers then '/' would truncate the decimal point & 5/2 would result into \_\_\_\_\_

- a) 2.5
- b) 0.25
- c) 2.0
- d) 2

14) 5 % 2 would give \_\_\_\_\_

- a) 1
- b) 2
- c) 3
- d) 4

15) C++ Relational Operators are used to compare values of more than two variables.

- a) True
- b) False

16) If we want to compare more than 1 ~~seq~~ condition \_\_\_\_\_ is used.

- a) C++ Relational operators
- b) Java operators
- c) C- logical operators.

17) '!' symbol represents \_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_\_ operator.

- a) AND
- b) OR
- c) XOR
- d) NOT.

18) \_\_\_\_\_ operator gives inverted output.

- a) AND
- b) NOT
- c) OR
- d) XOR

19) Life cycle of software shows that once it is developed, it enters a cycle of being \_\_\_\_\_

- a) used & re-used
- b) used & maintained
- c) used & destroyed
- d) none

20) Major steps in traditional software development life cycle are.

- a) 1
- b) 2
- c) 3
- d) 4

21) Internal structure of Date: \_\_\_\_\_

Software system is established  
in

- a) analysis phase
- ✓ b) design phase
- c) implementation phase
- d) Testing phase

22) \_\_\_\_\_ is a person involved  
primarily with implementation step

- a) programmer
- (b) software analyst



Topic 133-142.

Date: 07/08/2020.

(17)

1) An example of throwaway prototyping is

- a) evolutionary prototyping
- b) rapid prototyping.

2) A less formal incarnation of incremental & iterative ideas is known as :

- a) Valid source development.
- b) extreme source development
- c) Open source development
- d) None

3) XP stands for :

- a) existing point.
- b) exert programming
- c) extreme programming.
- d) None.

(18)

4) Following XP model,

Date: \_\_\_\_\_

software is developed by a team of \_\_\_\_\_ than dozen individuals

- a) less      b) more  
c) both a & b      d) none.

5) Division of software into manageable units is called:

- a) modularity      b) strings  
c) threads       d) modules.

6) Modules come in a variety of forms.

- a) true      b) false.

7) The object-oriented paradigm uses \_\_\_\_\_ as basic modular constituents.

- a) functions  
 b) objects  
c) characters  
d) both a & b.

8) Maximizing the linkage b/w modules is known as intermodule coupling.

- a) True
- b) False.

9) Intermodule coupling occurs in \_\_\_\_\_ forms.

- a) many
- b) two
- c) four
- d) several.

10) Data coupling b/w functions occurs in \_\_\_\_\_ forms.

- a) two
- b) more than two
- c) less than two
- d) none.

11) Global data is a way of passing data

- a) explicitly
- b) implicitly.

12) Degree of relatedness of modules internal parts is called:

- a) linking
- b) cohesion.

(20)

13) Weak form of

Date: \_\_\_\_\_

cohesion is called logical cohesion.

✓ a) true                      b) false.

14) Java Programming environment is accompanied by :

a) Framework Class Library.

b) Standard Template Library.

✓ c) Application Programmers Interface.

15) <sup>Reusable</sup> ~~Resumable~~ unit of software.

✓ a) component

b) compiler

c) identifier.

16) A design pattern is a pre-developed model for solving re-curring problem in software design.

✓ a) true

b) false.

(21)

17) Java programming Date: \_\_\_\_\_

environments provided by \_\_\_\_\_  
& the NET framework  
provided by \_\_\_\_\_

- a) NET, Oracle.
- b) Oracle, Java.
- c) Microsoft, Oracle
- d) Oracle, Microsoft.

18) The origins of design pattern  
lie in the research of  
\_\_\_\_\_ in traditional architecture

- a) John Ades.
- b) Thomas Edison.
- c) Christopher Alexander.
- d) Charles Thomas.

19) \_\_\_\_\_ design is not used  
when you have only one  
product to sell.

- a) Factory design pattern.
- b) Shopping Cart design pattern.

22

20) \_\_\_\_\_ refers to

Date: \_\_\_\_\_

tests that do not rely on knowledge of software's interior composition.

- a) basic path testing
- b) glass-box testing
- c) black-box testing
- d) beta testing.

Topic : 143 - 153

Date: 08/08/2020

1) Which of the following is not a category of documentation?

a) User documentation

b) System "

✓ c) Application "

d) Technical "

2) To describe software's internal composition is the purpose of \_\_\_\_\_ documentation.

a) User

✓ b) System

c) technical

d) application.

3) Information that \_\_\_\_\_ the chance that changes made during maintenance will disrupt integrity of system.

a) increases

b) decreases.

c) enhances.

✓ d) reduces.

24

4) A human tends to Date: \_\_\_\_\_

view a system in terms of its

- a) internal parts
- b) usability.
- c) cleverness
- d) operation.

5) \_\_\_\_\_ can be determining factor in success or failure of a software project.

- a) Design of system's interface.
- b) working " " "
- c) productivity " " "
- d) both a & b.

6) Cognetics ~~that~~ deals with designing systems that harmonize with physical abilities of humans.

- a) true
- b) false.



(25)

7) In \_\_\_\_\_, commercial aircraft crashed because pilots became absorbed with landing gear problems. Date: \_\_\_\_\_

aircraft crashed because pilots became absorbed with landing gear problems.

a) 1871

b) 1872

c) 1971

d) 1972

8) According to George Miller's research, human mind is capable of dealing with only about \_\_\_\_\_ points.

a) five

b) seven

c) nine

d) eleven

9) The GOMS model originally introduced in \_\_\_\_\_

a) 1950

~~a) 1950~~ b) 1952

c) 1954

d) 1956

10) A copyright notice does not identify ownership.

a) true

b) false

10)        laws established <sup>Date: \_\_\_\_\_</sup>

to ~~develop~~ allow inventors to benefit commercially from an investment.

- a) property                      b) ownership  
 ✓ c) patent                        d) both b & c.

11) A one-dimensional array with        elements used to store no. of times alphabet letter occur in a page.

- ✓ a) 26                              b) 27  
 c) 29                              d) 32.

12)        a block of data items that might be of different types & sizes.

- a) aggregate sequence.  
 b) aggregate data  
 c) aggregate block  
 ✓ d) aggregate type.

13) The items within Date: \_\_\_\_\_

block are actually called \_\_\_\_\_

- a) objects
- b) fields
- c) coins
- d) arrays.

14) A stack is a list in which entries are inserted and removed only at the tail.

- a) true
- b) false.

15) Removing an entry from top of stack is called \_\_\_\_\_

- a) pushing
- b) planning
- c) popping
- d) both a & b

16) A queue is example of \_\_\_\_\_

- a) FIFO
- b) LIFO.

17) Each position in a tree is called a \_\_\_\_\_

- a) branch
- b) stem
- c) node
- d) point.

28

18) Depth of a tree is Date: \_\_\_\_\_

the no. of \_\_\_\_\_ layers  
within it. ~~layers~~

- a) vertical
- b) non-parallel
- c) parallel
- d) horizontal

19) The node at the base is called the root node.

- a) True
- b) false.

20) Flat file is \_\_\_\_\_ dimensional storage system.

- a) one
- b) two
- c) multidimensional
- d) none.

21)