

S.D.E.
M.C.A. Sem - VI : SUMMER - 2019
SUBJECT : COMPREHENSIVE EXAMINATION – I (OBJECTIVE TYPE)

Day : Thursday
Date : 09/05/2019

S-2019-5288

Time : 02.00 PM TO 05.00 PM
Max. Marks : 100

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Each question carries **TWO MARKS**.
 - 3) Write the appropriate choice in the answerbook.
-

- Q.1** TDM stands for
a) Time Division Multiplexing b) Total Data modulation
c) Time Data and modulation d) None of the above
- Q.2** BSC is a
a) Character Oriented Protocol b) Hardware
c) Bit oriented protocol d) None of the above
- Q.3** ARP stands for
a) Address Resolution Protocol b) Area Related Protocol
c) Advanced Route Protocol d) None of the above
- Q.4** Which of the following is not a network layer?
a) Physical layer b) Data link layer
c) Transport layer d) File access layer
- Q.5** Which of the following is not a type of network topology?
a) Bus topology b) Ring topology
c) Path topology d) Star topology
- Q.6** Ethernet frame consists of
a) MAC address b) IP address
c) Both MAC and IP address d) None of the mentioned
- Q.7** What is Inter Frame Gap?
a) Idle time between frame bits b) Idle time between frames
c) Idle time between packets d) None of the mentioned
- Q.8** In cryptography what is cipher?
a) Encrypted message
b) Algorithm for performing encryption and decryption
c) Packet
d) None of the mentioned
- Q.9** What is operating system?
a) Collection of programs that manages hardware resources
b) Link to interface hardware and application programs
c) System service provider to the application program
d) All of the mentioned
- Q.10** If a process fails, most operating system write the error information to a
a) Log file b) New file
c) Another running process d) None of the mentioned

P.T.O.

- Q.11** Which one of the following is a synchronization tool?
a) Semaphore **b)** Socket
c) LAN **d)** None of the mentioned

Q.12 Which of the following condition is required for deadlock to be possible?
a) Mutual exclusion
b) A process may hold allocated resources while awaiting assignment of other resources
c) No resource can be forcibly removed from a process holding it.
d) All of the mentioned

Q.13 Logical memory is broken into blocks of the same size called
a) Source code **b)** Frames
c) Pages **d)** None of the mentioned

Q.14 With paging there is no _____ fragmentation.
a) Internal **b)** External
c) Logical **d)** None of the mentioned

Q.15 Software design consists of ?
a) Software product design
b) Software engineering design
c) Software product and engineering design
d) None of the mentioned

Q.16 Which of these is not project development activity?
a) Planning **b)** Organizing
c) Operating **d)** Trading

Q.17 Risk Analysis is an orderly process for
a) Identification of risk **b)** Understanding risk
c) Assessing risk **d)** All of the mentioned

Q.18 The _____ format is usually used to store data.
a) BCD **b)** Decimal
c) Logical **d)** None of the mentioned

Q.19 _____ is used to store data in registers.
a) D flip flop **b)** K Register
c) Memory **d)** None of the mentioned

Q.20 If a system is 64 bit machine, than the length of each word will be _____.
a) 4 bytes **b)** 8 bytes
c) 0 bytes **d)** None of the mentioned

Q.21 Which keyword in 'C' is used to prevent any changes in the variable within a 'C' program.
a) Const **b)** Random
c) Double **d)** None of the mentioned

Q.22 An array of similar data types which themselves are collection of dissimilar data type are
a) Trees **b)** Database
c) Array of structure **d)** None of the mentioned

Q.23 'C' preprocessors can have compiler specific features _____.
a) True **b)** False
c) Depends on the program **d)** None of the mentioned

- Q.24** Which of the following cannot be a variable name in 'C'.
- a) Volatile
 - b) True
 - c) Friend
 - d) Export
- Q.25** Basis path testing falls under ____.
- a) System testing
 - b) White box testing
 - c) Black box testing
 - d) Unit testing
- Q.26** The factors that determine the quality of a software system are
- a) Correctness, reliability
 - b) Efficiency, usability, maintainability
 - c) Testability, probability, accuracy, error tolerance, access control, audit
 - d) All of the mentioned
- Q.27** Which one of the following is not a software process model?
- a) Waterfall model
 - b) Prototyping model
 - c) Incremental model
 - d) Star model
- Q.28** Which one of the following is not a feature of C++.
- a) Inheritance
 - b) Polymorphism
 - c) System approach
 - d) Encapsulation
- Q.29** Adaptive maintenance is a maintenance which ____.
- a) Correct errors that were not discovered till testing phase
 - b) Is carried to port the existing software to a new environment
 - c) Improves the system performance
 - d) All of the mentioned
- Q.30** The directory structure used in Unix File System is called as ____.
- a) Hierarchical directory
 - b) Graph structure directory
 - c) Tree structured directory
 - d) None of the mentioned
- Q.31** The UNIX command \$vifile1file2 .
- a) Edits file 1 and stores the contents of file 1 in file 2
 - b) Both files i.e. file 1 and file 2 can be edited using 'ex' command to travel between the files
 - c) Both files can be edited using 'mv' command to move between the files
 - d) Edits file 1, saves it and then edits file 2
- Q.32** Unix operating system is mostly written in
- a) C-language
 - b) VB
 - c) PHP
 - d) None of the mentioned
- Q.33** Interpreter converts the source code ____.
- a) Whole program at a time
 - b) Line by line
 - c) Bit by bit
 - d) None of the mentioned
- Q.34** Which of the number is not allowed in binary representation of a number?
- a) 0
 - b) 1
 - c) 2
 - d) None of the mentioned
- Q.35** The octal number has base ____.
- a) 2
 - b) 4
 - c) 8
 - d) 12
- Q.36** Which of the following is subset of {1,2,3,4}
- a) {1,2}
 - b) {1,2,3}
 - c) {1}
 - d) All of the mentioned

- * * * * *