

- Q.12** Which among the following interacts directly with system hardware?
a) shell **b)** kernel
c) commands **d)** none of these
- Q.13** Applications communicate with kernel by using
a) System Calls **b)** C Programs
c) Shell Script **d)** none of these
- Q.14** Proc file system provides the information about.....
a) processes **b)** process
c) proxy server **d)** none of these
- Q.15** Which devices among following are usually designed on the complex electromechanical principle?
a) printing devices **b)** input devices
c) storage devices **d)** none of these
- Q.16** An instruction code must specify the address of the ____
a) operand **b)** Opcode
c) both of above **d)** none of these
- Q.17** In which of the following status flags required for data transfer are present?
a) interface circuit **b)** parallel line
c) device circuit **d)** none of these
- Q.18** Which signal determines the address of I/O interface?
a) register select **b)** chip select
c) Control line **d)** none of these
- Q.19** Which memory is used for mass storage.....
a) primary **b)** secondary
c) Cache **d)** none of these
- Q.20** What Mnemonic represents?
a) strings **b)** Physical address
c) operation address **d)** none of these
- Q.21** Which exception is also known software interrupt?
a) trap **b)** call
c) system call **d)** none of these
- Q.22** CMM is
a) company maturity model **b)** capability maturity model
c) configuration maturity model **d)** none of these
- Q.23** Which of the following is a graphical language for software design.....
a) UML **b)** DML
c) EEML **d)** none of these
- Q.24** Disk scheduling includes deciding.....
a) which should be accessed next **b)** order in which disk access requests must be service
c) the physical location of the file **d)** none of these
- Q.25** Which of the following is a tool in design phase?
a) abstraction **b)** refinement
c) information hiding **d)** none of these

- Q.26** The cost of software engineering includes approximately of development cost and of testing costs.
- a) 50% 50%
 - b) 40% 60%
 - c) 80% 20%
 - d) none of these
- Q.27** Ethernet system uses which of the following technology.....
- a) bus
 - b) ring
 - c) star
 - d) none of these
- Q.28** Information hiding is to hide from user details....
- a) that are relevant to him
 - b) that are not relevant to him
 - c) that may be maliciously handled by him
 - d) none of these
- Q.29** Effective requirement document is one which does not
- a) show ambiguity
 - b) refer to high level documents
 - c) have traceability requirement
 - d) none of these
- Q.30** A good specification should be?
- a) unambiguous
 - b) distinctly specific
 - c) functional
 - d) none of these
- Q.31** In object oriented design of software which of the following is not true?
- a) objects inherit the properties of the class
 - b) classes are defined based on the attributed of the object
 - c) objects can belong to two classes
 - d) none of these
- Q.32** A Microsoft Windows isa(n)
- a) operating system
 - b) graphic program
 - c) word processing
 - d) none of these
- Q.33** Which of the following is system software?
- a) operating system
 - b) compiler
 - c) utilities
 - d) none of these
- Q.34** Main function of shared memory is
- a) to use primary memory efficiently
 - b) to do intra process communication
 - c) to do inter process communication
 - d) none of these
- Q.35** Disk scheduling includes deciding.....
- a) which should be accessed next
 - b) order in which disk access request must be serviced
 - c) the physical location of the file
 - d) none of these
- Q.36** Which of the following is not a multitasking operating system?
- a) Windows
 - b) Linux
 - c) MSDOS
 - d) none of these
- Q.37** Memory protection is normally done by
- a) the processor and the associated hardware
 - b) the operating system
 - c) the compiler
 - d) none of these
- Q.38** The loss in signal power as light travels down the fiber is called.....
- a) attenuation
 - b) scattering
 - c) propagation
 - d) none of these
- Q.39** Which of the following TCP/IP protocols is used for transferring files form one machine to another.....
- a) FTP
 - b) SNMP
 - c) SMTP
 - d) none of these

- Q.40** Which of the following is not the layer of TCP/IP protocol?
- a) application layer b) session layer
c) transport layer d) none of these
- Q.41** addresses are reserved for multicasting.
- a) Class B b) Class C
c) Class D d) none of these
- Q.42** Which is the commonly used unit for measuring the speed of data transmission?
- a) bytes per second b) Baud
c) bits per second d) none of these
- Q.43** Language developed at
- a) AT & T's Bell Laboratories of USA in 1972 b) AT & T's Bell Laboratories of USA in 1970
c) Sun Microsystems in 1973 d) none of these
- Q.44** C was primarily developed as ...
- a) system programming language b) general purpose language
c) data processing language d) none of these
- Q.45** C variable cannot start with.....
- a) a number b) a special symbol other than underscore
c) both of the these d) none of these
- Q.46** What is the output of this C code?
- ```
#include <stdio.h>
main()
{
 char *p = "Sanfoundry C-Test";
 p[0]='a';
 p[1]='b';
 printf("%s", p);
}
```
- a) abnfoundry C-Test                                                         b) sanfoundry C-Test  
c) compile time error                                                         d) none of these
- Q.47** A binary search tree whose left subtree and right subtree differ in height by at most 1 unit is called .....
- a) AVL tree                                                                     b) Red-black tree  
c) Lemma tree                                                                 d) none of these
- Q.48** ..... is a pile in which items are added at one end and removed from the other.
- a) stack                                                                         b) queue  
c) list                                                                             d) none of these
- Q.49** The process of building new classes from existing one is called .....
- a) structure                                                                     b) inheritance  
c) polymorphism                                                                 d) none of these
- Q.50** Which of the following data structure is not linear data structure?
- a) arrays                                                                         b) linked lists  
c) both the above                                                                 d) none of these