

AZAD JAMMU & KASHMIR PUBLIC SERVICE COMMISSION

Exam for the post of Computer Instructor (B-17)

Total Marks 100

Time: 100 Min.

Date: 22-8-2019



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Note:: Fill the correct Answer 08 OMR Sheet.

1. Paging is implemented in
A. Operating System B. Hardware C. Software D. All of them
2. Page-Table length register (PTLR) indicates size of
A. Page Table B. Paging Tile C. Main Memory D. Virtual Memory
3. Bringing a hage into memory only when it is needed is called
A. Demand Memory B. Demand Paging C. Page Fault D. Page Segmentation
4. Which of the following is not the approach to Handling Deadlocks?
A. Deadlock Prevention B. Deadlock Avoidance C. Detect & Recover D. Virtual Memory
5. Which scheduler adects which processes should be brought into the ready queue?
A. Real term B. Long term C. Mid term D. Short term
6. Dived legical memory into blocks with the same size as frames are called
A. Pages B. Frames C. Page Table D. Segmentation
7. Which memory allocation policy allocate the largest hole to the process?
A. Best-Fit B. Worst-Fit C. First-Fit D. None of them
8. When there is enough memory to fit a process in memory, but the space is not contiguous we need
A. Internal Fragmentation B. Virtual Fragmentation
C. External Fragmentation D. None of them
9. Piece of code that only one thread can execute at a time is called
A. Mutual Exclusion B. Critical Section C. Synchronization D. All of them
10. When a thread waits indefinitely for some resource, but other threads are actually using it is called
A. Starvation B. Demand Paging C. Segmentation D. None of them
11. In C/CPP Programming stremp() function is used for
A. Convert String to Char B. Copy two Strings
C. Compare two Strings D. None of these
12. In C/CPP Programming "a" is used for
A. Form feed B. Line Brake C. Select All D. Alarm
13. Which of the following is the correct statement?
A. Variable name must start with underscore
B. Variable name must have digit
C. Variable name must have white space character
D. Keyword can not be a variable name
14. While coding in C/CPP Programming for "Call by Reference" we pass
A. Address of variable B. Value of the variable
C. Either Value or Address D. Both value and address
15. Which of the following is the symbol for AND operator?
A. B. & C. && D. \$5
16. Which of the following is not the type of variable?
A. Exterm B. Register C. Global D. None of above
17. Which of the following is the incorrect statement?
A. All array variables have same type
B. An array is the collection of variables
C. Array variables can be used individually
D. None of thote

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18. Which is the following in the temperare?
A. Axterm B. Frames C. Clober: D. None of above
19. Which of the following is the symbol for aenensory?
A. Pages B. Paging Tile C. Fault D. None of above
20. Which of the following is the symbors of the symbol of Operatong?
A. A. Stern B. Cennomare C. Commto D. None of above
21. Which of the following is the type of panatal et ataning?
A. Commiltation B. Deadlock C. Detect D. Virtuay
22. Which of the following is the processes should to be remary stsining?
A. Yes B. Yes C. Yes D. No
23. Which of the following is the spence in used?
A. Real B. Worst C. Page Fault D. None of them
24. Which of the following is the structures hocurrent polty?
A. Proper Fied B. Proper Fied C. Short Stoe D. Shoper Bwo
25. Which of the following is the asancinantng?
A. Shart Tam B. Short Metory C. Short Type D. None Metory
26. Which of the following is the blocks menu to the ready queue?
A. Pages B. Frames C. Page-Fit D. Nones of them
27. Which of the following is hargest stored?
A. Best-ijt B. Frames C. First lit D. Fest little
28. Which of the following is the exectut for?
A. Computance B. Computer Memory C. Computer String D. Different Tane Strings
30. Which of the following is 'a' is used for?
A. Feed B. Memory C. Short D. None of above
31. Which of the following is the correct statement?
A. Science B. Computent C. Computent D. None of above
32. Which of the following is the somiscator?
A. Psorries B. Security C. Software D. None of above
33. Which of the following is now operator?
A. Axterm B. C&& C. Global D. None of above
34. Which of the following is groat variable?
A. Fault B. Fauke C. Deadlock D. None of above
35. Which of the following is the type of variable?
A. Exterm B. Register C. Global D. None of above
36. Which of the following is the incorrect statement?
A. Axterm B. Register C. Global D. None of above
37. Which of the following is the incorrect statement?
A. Exterm B. Register C. Global D. Short: eise
38. Which of the following is the annieicator?

53. What does CSS stand for

- A. Current Style Sheets
- B. Current Sheets Style
- C. Cascading Style Sheets
- D. Cascading Sheets Style

54. Which of the following statements is false

- A. You can make a website without using HTML
- B. You can make a website without using PHP
- C. You can make a website without using CSS
- D. You can make a website without using Javascript

55. What is WordPress

- A. It is a software used to press text
- B. It is a font formatting software
- C. It is a CMS (Content Management System)
- D. It is mail service

56. SQL stands for

- A. Structured Query Language
- B. Statistical Query Language
- C. Superior Questions Lot
- D. Standard Query Lot

57. Which of the following is true about Javascript

- A. It is a server-side scripting language
- B. It is client-side scripting language
- C. It is a Software
- D. It is a database

58. Which of the following is true about PHP

- A. It is a server-side scripting language
- B. It is client-side scripting language
- C. It is a Software
- D. It is a database

59. Which of the following is true

- a) You need a server to host your website files
- b) You don't need a server to host your website files
- c) You can create a website without using HTML
- d) You can't create a website without a CMS

60. Which of the following software's could be used to build a website

- A. Power Point
- B. Excel
- C. Dream Weaver
- D. ERP

61. To initialize an array of objects, only _____ will be called

- A. Default Constructor
- B. Overloaded Constructor
- C. Default Object
- D. None of the above

62. What type of relationship exists between "Account" class and "SavingAccount" class?

- A. Inheritance
- B. Composition
- C. Aggregation
- D. Association

63. Copy constructor is called when:

- A. An object is created in term of preexistence object
- B. An object is created
- C. An object is initialized
- D. None of the above

64. In _____ a pointer or reference to an object is created inside a class

- A. Aggregation
- B. Composition
- C. Separation
- D. None of the given

65. Select correct line of code for inheritance relationship between "Person" class and "Supervisor" class. "Person" is parent class while "Supervisor" is child class.

- A. class Supervisor: public Person
- B. class Person: public Supervisor
- C. class Supervisor:: public Person
- D. class Person:: public Supervisor

66. In _____, a pointer or reference to an object is created inside a class.

- A. Aggregation
- B. Composition
- C. Inheritance
- D. Association

67. Select correct line of code for inheritance relationship between "Gender" class and "Male" class. "Gender" is parent class while "Male" is child class.

- A. class Male: public Gender
- B. class Cender: public Male
- C. class Male:: public Gender
- D. class Classer:: public Male

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39. The management of data flow between computers or devices or between nodes in a network is called
40. What are of Issues related in professional responsibility _____?
- A. Confidentiality
B. Intellectual property rights
C. Both Confidentiality & Intellectual property rights
D. Managing Client Relationships
44. Select the incorrect statement: "Software engineers should:
- A. not knowingly accept work that is outside your competence."
B. not use your technical skills to misuse other people's computers."
C. be dependent on their colleagues."
D. maintain integrity and independence in their professional judgment."
45. Which of these are not among the right principles followed by Software Engineering Code of Ethics and Professional Practice ?
- A. Public B. Profession C. Product D. Environment
46. What are attributes of good software ?
- A. Software maintainability B. Software functionality
C. Software development D. Software maintainability & functionality
47. What are there is true ?
- A. Generic products and customized products are types of software products
B. Generic products are produced by organization and sold to open market
C. Customized products are commissioned by particular customer
D. All of the mentioned
48. What is a Software _____?
- A. Software is set of programs
B. Software is documentation and configuration of data
C. Software is set of programs, documentation & configuration of data
D. None of the mentioned
49. Software engineers should not use their technical skills to misuse other people's computers. "Here the term misuse refers to _____?"
- A. Unauthorized access to computer material
B. Unauthorized modification of computer material
C. Dissemination of viruses or other malware
D. All of the mentioned
50. Explain what is meant by PRODUCT with reference to one of the eight principles as per the ACM/IEEE Code of Ethics ?
- A. The product should be easy to use
B. Software engineers shall ensure that their products and related modifications meet the highest professional standards possible
C. Software engineers shall ensure that their products and related modifications satisfy the client
D. It means that the product designed /created should be easily available
51. What is a CMB in web design
- A. Content Management System B. Creative Management System
C. Content Mixing System D. Creatives Managerial System
52. To make your website mobile friendly, you can make your website
- A. Responsive B. Reactive C. Fast Loading D. Light

68. Let Suppose a class Student with objects std1, std2, and std3. For the statement std3 = std1 - std2 to work correctly, if the overloaded - operator must
- take two arguments
 - take single argument
 - take three arguments
 - None of the niven choices
69. Select correct line of code for inherliance relationship between "Keys" class and "SpecialKeys" class, "Person" is parret class while "SpecialKeys" is child class.
- class SpecialKeys: public Keys
 - class Keys: public SpecialKeys
 - class SpecialKeys:: public Keys
 - class Keys:: public SpecialKeys
70. _____ is concerned with realizing a software design using an object-oriented programming language.
- Object oriented methods
 - Object oriented methods
 - Object oriented design
 - Object oriented programming
71. What is the minimum number of wires needed to send data over it serial communication link layer?
- 1
 - 2
 - 3
 - 4
72. Which of the following is an example of a bounded medium?
- coaxial cable
 - wave guide
 - fiber optic cable
 - all of these
73. Coaxial cable has conductors with....
- a common axis
 - equal resistance
 - the same diameter
 - none of these
74. The area of coverage of a satallile radio beam is called its....
- beam width
 - circular polarization
 - footprint
 - identity
75. The amount of uncertainty in a system of the symbol is called.
- bandwidth
 - entropy
 - loss
 - quantum
76. Buffering is....
- the process of temporarily storing the data to allow for small variation in device speeds.
 - a method to reduce cross-talks
 - storage of data within the transmitting medium until the receiver is ready to receive
 - a method to reduce the routing overhead
77. There are _____ steps to solve the problem
- Seven
 - Four
 - Six
 - Two
78. _____ is the last step in solving the problem
- Understanding the Problem
 - Identify the Problem
 - Evaluate the Solutom
 - None of these
79. The six-step solution for the problem can be applied to
- Problems with Algorithmic Solution
 - Problems with Heuristic Solution
 - Both I and II
 - Neither I nor II
80. _____ solution requires reasoning built on knowledge and experience
- Algorithmic Solution
 - Heuristic Solution
 - Random Solution
 - None of these
81. While solving the problem with computer the most difficult step is _____.
- describing the problem
 - finding out the cost of the software
 - writing the computer instructions
 - testing the solution
82. The correctness and appropriateness of _____ solution can be checked very easily.
- algorithmic solution
 - heuristic solution
 - random solution
 - none of these
83. Let A and B be any two artitirary events then which one of the following is true
- $P(A \text{ intersection } B) = P(A), P(B)$
 - $P(A \text{ union } B) = P(A) + P(B)$
 - $P(AB) = P(A \text{ intersection } B), P(B)$
 - $P(A \text{ union } B) \geq P(A) + P(B)$
84. Which of the following statement is false
- G is connected and is circuitless
 - G is connected and has n edges
 - G is minimally connected graph
 - G is circuitless and has n-1 edges
85. Probability that two randomly selected cards from a set of two red and two black cards are of same color is
- 1/2
 - 1/3
 - 2/3
 - None of these

86. The number of circuits that can be created by adding an edge between any two vertices in a tree is
 A. Two B. Exactly one C. At least two D. None
87. In a tree between every pair of vertices there is
 A. Exactly one path B. A self-loop C. Two circuits D. n number of paths
88. Context free languages are closed under
 A. union, Kleene path B. Intersection, complement
 C. union, Kleene star D. Complement, Kleene star
89. A time sharing system imply
 A. more than one processor in the system B. more than one program in memory
 A. more than one memory in the system D. None of above
90. Interrupts which are initiated by an instruction are
 A. internal B. external C. hardware D. software
91. The branch logic that provides deciding making capabilities in the control unit is known as
 A. controlled transfer B. conditional transfer
 C. unconditional transfer D. none of above
92. A stack is
 A. an 8-bit register in the microprocessor
 B. a 16-bit register in the microprocessor
 C. a set of memory locations in R/W reserved for storing information temporarily during the execution of computer
 D. a 16-bit memory address stored in the program counter
93. Pipelining strategy is called implement
 A. instruction execution B. instruction prefetch
 C. instruction decoding D. instruction manipulation
94. CPU does not perform the operation
 A. data transfer B. logic operation C. arithmetic operation D. all of above
95. Which if the following is/are the levels of implementation of data structure
 A. Abstract level B. Application level C. implementation level D. All of the above
96. 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 the above
97. Stack is also called as
 A. Last in first out B. First in last out C. Last in last out D. First in first out
98. _____ is not the component of data structure.
 A. Operations B. Storage Structures C. Algorithms D. None of above
99. Inserting an item into the stack when stack is not full is called _____ Operation and deletion of item from the stack, when stack is not empty is called _____ operation.
 A. push, pop B. pop, push C. insert, delete D. delete, insert
100. Which data structure allows deleting data elements from and inserting at rear?
 A. Stacks
 B. Queues
 C. Dequeues
 D. Binary search tree